

CH2M

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Ms. Leslie Blake Remedial Project Manager Superfund Division U.S. EPA, Region 5 77 West Jackson Boulevard (SR-6J) Chicago, Illinois 60604

November 30, 2017

Subject: Estimated Costs for Vapor Intrusion Mitigation at Sixty-Nine Locations at the Keystone

Corridor Groundwater Contamination Site, Marion, County, Indiana

Dear Ms. Blake,

Per the U.S. Environmental Protection Agency's (U.S. EPA's) request, please find attached a Class 4 cost estimate for the mitigation of vapor intrusion at an additional 69 specific existing structures identified during remedial investigation (RI) activities completed in 2016 and 2017 at the Keystone Corridor Groundwater Contamination Site (Site). This cost estimate is provided in addition to the one submitted on July 31, 2017, for eight locations. The expected accuracy range of the estimate is -30% to +50%. The mitigation costs include sealing of building slabs, diagnostic testing, and the installation of vapor intrusion mitigation system (VIMS). Also included are costs for work planning, permitting, and 5 years of VIMS operation and maintenance with associated reporting. For comparison, as requested, an alternative is also presented for 5 years of monitoring at 20 structures without active mitigation.

This costing effort was completed prior to and outside of the sitewide feasibility study (FS) currently underway as part of the RI/FS process for Work Assignment 215, which will evaluate all media, pathways, and receptors. It is assumed that this costing information will be included in the FS yet to be written.

For any questions regarding this material, please do not hesitate to contact me at 513-587-7013 or via email at <a href="mailto:brett.fishwild@ch2m.com">brett.fishwild@ch2m.com</a>.

Regards,

CH2M HILL, Inc.

Brett A. Fishwild Site Manager

#### **Summary of Cost Analysis**

Keystone Corridor - Interim ROD VIMS Estimates

Alternatives			Alternative 1 No Action			Alternative 2 d/or Subslab Mo ructures with VII		Alternative 3 Identification and Sealing of Vapor Entry Points, Diagnostic Testing, VIMS Installation/Startup/Commissioning			
Alternative	Evaluation Timeframe <sup>1</sup>		5 years			5 years		5 years			
		-30%	Estimate	+50%	-30%	Estimate	+50%	-30%	Estimate	+50%	
Total Implementation C	osts	\$0	\$0	\$0	\$44,000	\$62,500	\$94,000	\$3,431,000	\$4,901,442	\$7,352,000	
Present Value of Future Costs	Discount Rate of 0.4% (OMB, 2014)	\$0	\$0	\$0	\$1,652,000	\$2,360,550	\$3,541,000	\$1,206,000	\$1,723,452	\$2,585,000	
Grand Total Present Value	Discount Rate of 0.4% (OMB, 2014)	\$0	\$0	\$0	\$1,696,000	\$2,423,050	\$3,635,000	\$4,637,000	\$6,625,000	\$9,937,000	

#### Notes and References:

The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2014 Budget Baseline. These real rates are to be used for discounting constant-dollar flows, as is often required in cost-effectiveness analysis.

- USEPA. 1988. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. OSWER Directive 9355.3-01. EPA/540/G-89/004. October.
- USEPA. 2000. A Guide to Developing and Documenting Cost Estimates During the Feasibility Study. With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

This is not an offer for construction and/or project execution.

These AACE Classification Class 4 cost estimates are assumed to represent the actual total installed cost within the range of -30 percent (% based on AACE) of the cost indicated. It would appear prudent that internal budget allowances account for the highest cost indicated by this range as well as other site specific allowances. The cost estimate has been prepared for guidance in project evaluation and implementation from the information available at the time of the estimate. The final costs of the project will depend on actual labor and material costs, competitive market conditions, implementation schedule, and other variable factors. As a result, the final project costs will vary from the estimates presented herein. Because of this, project feasibility and funding needs must be carefully reviewed prior to making specific financial decisions to help ensure proper project evaluation and adequate funding.

<sup>1</sup> The 5-year timeframe evaluated is for VIMS installation through the first Five Year Review. VIMS operation, maintenance, and monitoring will need to continue until the VI pathway is no longer capable of being completed.

<sup>•</sup> The "Real" Discount Rate used to calculate the Present Value cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis"

#### Alternative 1: No Action

Keystone Corridor - Interim ROD VIMS Estimates

Item/Activity	Qty	Unit	<b>Unit Cost</b>	Cost	Notes & Comments
IMPLEMENTATION COST					
IMI ELIMENTATION COST					
No Action					
No Action			\$0	\$0	
710 71011011			ΨΟ	Ψ	
Subtotal				\$0	
Contingency	25%			\$0	
Project Management	10%			\$0	
General Conditions and Administration (G&A)	7%			\$0	
Overhead & Profit	8%			\$0	
	T-4-1			**	
	ı otai	impiem	entation Cost	\$0	
FUTURE COSTS (5 years)					
No Action					
No Action			\$0	\$0	
Laboratory and DV					
Report					
Subtotal			\$0	\$0	
Contingency	25%		\$0	\$0	
Project Management	10%		\$0	\$0	
G&A	7%		\$0	\$0	
Overhead & Profit	8%		\$0	\$0	
Subtotal			\$0	\$0	
Semi-Annual Monitoring			\$0		
Semi-Annual Total Future Cost				\$0	
Present Value <sub>(0.4%)</sub>	5	year	0.4%	\$0	
of Future Cost Semi-Annual Monitoring					
	Present Val		0.4%		Y2017 PV calculated for 5-yrs-future-cost using 0.4% Real Discount Rate per Office of Management and Budget (2014) guidance.

evaluation and adequate funding.

Other Notes and References:
The 5-year timeframe evaluated assumes costs through the first 5-Year Review.

• USEPA. 1988. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. OSWER Directive 9355.3-01. EPA/540/G-89/004. October.

This is not an offer for construction and/or project execution.

These AACE Classification Class 4 cost estimates are assumed to represent the actual total installed cost within the range of -30 percent to +50 percent (% based on AACE) of the cost indicated. It would appear prudent that internal budget allowances account for the highest cost indicated by this range as well as other site specific allowances. The cost estimate has been prepared for guidance in project evaluation and implementation from the information available at the time of the estimate. The final costs of the project will depend on actual labor and material costs, competitive market conditions, implementation schedule, and other variable factors. As a result, the final project costs will vary from the estimates presented herein. Because of this, project feasibility and funding needs must be carefully reviewed prior to making specific financial decisions to help ensure proper project

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<sup>•</sup> The "Real" Discount Rate used to calculate the Present Value cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis"

<sup>•</sup> USEPA. 2000. A Guide to Developing and Documenting Cost Estimates During the Feasibility Study. With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

#### Alternative 2: Indoor Air and/or Subslab Monitoring at 69 Locations / 88 Structures with VIMS

Keystone Corridor - Interim ROD VIMS Estimates

Item/Activity	Qty	Unit	<b>Unit Cost</b>	Cost	Notes & Comments
IMPLEMENTATION COST					
Work Plan for Indoor Air Monitoring at 88 Structures with VIMS					
Work Plan for Sampling	1	each	\$50,000	\$50,000	Pre-Draft, Draft, Draft Final, & Final. Includes Scoping sessions.
Subtotal				\$50,000	
Project Management	10%			\$5,000	
General Conditions and Administration (G&A)	7%			\$3,500	
Overhead & Profit	8%			\$4,000	
	Total	Implem	entation Cost	\$62,500	
FUTURE COSTS (5 years)					
FUTURE COSTS (5 years)					
Semi Annual Monitoring at 88 Structures with VIMS - Year 1 and 2					
VaporPin Installation	155	each	\$300	\$46,500	
Sampling Labor	4	each	\$73,710		Assume 2 people for 273 hours (3 hours per structure, 88 total, plus 9 hour buffer) @ \$135/hr:
Laboratory and DV	4	each	\$116,172		BOA Rates
Report	4	each	\$30,000	\$120,000	Tech Memo Summary of Results
Subtotal			\$219,882	\$879,528	
Contingency	25%		\$54,970	\$219,882	
Project Management	10%		\$21,988	\$87,953	
G&A	7%		\$15,392	\$61,567	
Overhead & Profit	8%		\$17,591	\$70,362	
Subtotal			\$329,823	\$1,319,292	
Semi-Annual Monitoring Year 1 and 2			\$659,646		
Semi-Annual Total Future Cost			ψ059,040	\$1,319,292	
Present Value <sub>(0.4%)</sub> of Future Cost Semi-Annual Monitoring	2	year	0.4%	\$1,311,418	Year 1 and 2
A control of the state of the s					
Annual Monitoring at 88 Structures with VIMS - Years 3-5 Labor	3	each	\$90,720	\$272.160	Assume 2 people for 336 hours (3 hours per
Labor	3	Cacii	φ90,720	φ212,100	structure, 109 total, plus 9 hour buffer) @ \$135/hr:
Laboratory and DV	3	each	\$116,172	\$348,516	BOA Rates
Report	3	each	\$30,000	\$90,000	Tech Memo Summary of Results
Subtotal			\$236,892	\$710,676	
Contingency	25%		\$59,223	\$177,669	
Project Management	10%		\$23,689	\$71,068	
G&A	7%		\$16,582	\$49,747	
Overhead & Profit	8%		\$18,951	\$56,854	
Subtotal			\$355,338	\$1,066,014	
Monitoring Years 3-5			\$355,338		
Total Future Cost			Ψ000,000	\$1,066,014	
Present Value (0.4%)	3	year	0.4%	\$1,049,132	Years 3-5
of Future Cost Monitoring (Years 3-5)		-			
Total	Present Va	lue <sub>(0.49/</sub> )	0.4%	\$2,360,550	Y2017 PV calculated for 5-yrs-future-cost using 0.4%
	of All Future	` ,		, ,,===,===	Real Discount Rate per Office of Management and Budget (2014) guidance.

#### Other Notes and References:

The 5-year timeframe evaluated assumes monitoring through the 5 year review.

- The "Real" Discount Rate used to calculate the Present Value cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis"
- USEPA. 1988. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. OSWER Directive 9355.3-01. EPA/540/G-89/004. October.
- USEPA. 2000. A Guide to Developing and Documenting Cost Estimates During the Feasibility Study. With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July. This is not an offer for construction and/or project execution.

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# Alternative 2: Indoor Air and/or Subslab Monitoring at 69 Locations / 88 Structures with VIMS Lab Backup

Keystone Corridor - Interim ROD VIMS Estimates

Autota	Sample Matrix	Field Samples	Field Duplicates	Total Number of Air Samples Samples	Total Billable Liquid	Unit Price	Subtotal Cost	Total Analytical Cost
Analysis/Test	Watrix	Samples	Duplicates	Samples	Samples	Unit Price	Subtotal Cost	COSI
Monitoring								
Assume 7 Events over Five Years								
Air and Soil Gas Sampling								
Volatiles in Air INCLUDING 4 OUTDOOR AIR SAMPLES	Air	159	16	175	175	\$199.61	\$34,931.75	\$34,931.75
Media Preparation - 6L SUMMA Canister with Batch Certification	NA	159	16	175	175	\$33.42	\$5,848.50	\$5,848.50
Flow Controller/Regulator for SUMMA Canister	NA	159	16	175	175	\$25.89	\$4,530.75	\$4,530.75
T- Connection for SUMMA Canister	NA	0	16	16	16	\$14.06	\$224.96	\$224.96
Weekly Rental for 6L SUMMA Canister	NA	159	16	175	175	\$44.55	\$7,796.25	\$7,796.25
Volatiles in Soil Gas	Soil Gas	155	16	171	171	\$199.61	\$34.133.31	\$34.133.31
Media Preparation - 1L SUMMA Canister with Batch Certification	NA NA	155	16	171	171	\$41.88	\$7.161.48	\$7,161.48
Flow Controller/Regulator for SUMMA Canister	NA NA	155	16	171	171	\$25.89	\$4.427.19	\$4,427,19
T- Connection for SUMMA Canister	NA NA	0	16	16	16	\$14.06	\$224.96	\$224.96
Weekly Rental for 1L SUMMA Canister	NA NA	155	16	171	171	\$51.36	\$8,782.56	\$8,782.56
	•		•	•				
							Subtotal	\$108,061.71
_	•			•	•			•
					TOTAL I	AB COS	T PER EVENT	\$108,061.71
						000	· · - · · <b>- · · - · ·</b> ·	ψ.00,001.11

#### Alternative 2: Indoor Air and/or Subslab Monitoring at 69 Locations / 88 Structures with VIMS Data Validation Backup

Keystone Corridor - Interim ROD VIMS Estimates

				Total Number of Air and Soil		Air and		
Anabasis (Tass	Sample Matrix	Field	Field	Gas	Total Billable Air	Soil Gas Unit Price	Air and Soil Gas Subtotal Cost	Total DV Cost
Analysis/Test	Watrix	Samples	Duplicates	Samples	Samples	Unit Price	Subtotal Cost	Total DV Cost
LTM Assume Seven Events over Five Years								
		,						
Air and Soil Gas Samples								
Air and Soil Gas Samples TCL VOCs	Air	314	32	346	346	\$23.44	\$8,110.24	\$8,110.24
	Air	314	32	346	346	\$23.44	\$8,110.24 Subtotal	\$8,110.24 <b>\$8,110.24</b>

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
Mitigation Work Plan, Data Evaluation, and VIMS layout					
Work Plans	1	Each	\$75,000	\$75,000	Mitigation work plan, data evaluation, and VIMS layout. Includes scoping sessions.
Access Coordination	1		\$15,000	\$15,000	
Air Permitting Equivalency					
Air Permit Requirements Evaluation	1	LS	\$10,000	\$10,000	Using offgas data from diagnostic testing
VIMS Sealing, Diagnostic Testing, and Installation by Building					
Sealing					
Equipment and Subcontractor	1				
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing			·	*	
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation					
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Davs	\$100	\$225	,,
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MDI EMENITATION COST					
MPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•					Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing  Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	1.5	Days	\$50	\$75	Assume \$50/day for rental car
VIMS Installation	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation Mitigation Fan	1	Each Each	\$3,500 \$750	\$7,000 \$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
mosmeation and one octop			<b>\$</b> 1,000	<b>V</b> .,000	
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr day
Vehicle for Field Team	3	Days	\$50	\$150	Assume \$50/day for rental car for field team
PID Rental	3	Days	\$100 \$8	\$300	
Elastomeric Polymer Misc Materials	20	Tube LS	\$200	\$160 \$200	
Travel and Per Diem for Subcontractor	6	Days	\$135	\$810	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	40	Hours	\$65	\$2,600	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	2 2	Days	\$50	\$100 \$200	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1	Days LS	\$100 \$400	\$200 \$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	2	Days	\$50	\$100	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
VIMS Installation					
Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
Labor - 3-person Crew	120	Hours	\$65	\$7,800	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 1
	4	Days	\$50	\$200	hr day Assume \$50/day for rental car for field team
•		Days	\$100	\$400	7.000mino 400/day for remai car for field team
Vehicle for Field Team			Ψ.00		
Vehicle for Field Team PID Rental	4		\$500	\$500	
Vehicle for Field Team	4	LS Each	\$500 \$3,500	\$500 \$14,000	
Vehicle for Field Team PID Rental Miscellaneous Materials	4	LS			
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	4 1 4 1 8	LS Each Each Hours	\$3,500 \$750 \$150	\$14,000 \$750 \$1,200	For installation of mitigation fan
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	4 1 4 1 8 200	LS Each Each Hours LF	\$3,500 \$750 \$150 \$50	\$14,000 \$750 \$1,200 \$10,000	Assume 50 ft of piping for each node
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	4 1 4 1 8 200 4	LS Each Each Hours LF Days	\$3,500 \$750 \$150 \$50 \$135	\$14,000 \$750 \$1,200 \$10,000 \$540	Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 4 days
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	4 1 4 1 8 200	LS Each Each Hours LF	\$3,500 \$750 \$150 \$50	\$14,000 \$750 \$1,200 \$10,000	Assume 50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
WIFLENIEN I ATION COST					
Sealing					
Equipment and Subcontractor				2	
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr day
Vehicle for Field Team	3	Days	\$50	\$150	Assume \$50/day for rental car for field team
PID Rental	3	Days	\$100	\$300	
Elastomeric Polymer	20	Tube LS	\$8 \$200	\$160 \$200	
Misc Materials Travel and Per Diem for Subcontractor	6	Days	\$200 \$135	\$810	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing	40		005	<b>#0.000</b>	
Labor - 2-person Crew Vehicle for Field Team	40	Hours Days	\$65 \$50	\$2,600 \$100	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	2	Days	\$100	\$200	Assume 450/day for remarcal for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	2	Days Days	\$135 \$50	\$270 \$100	Lodging and Per diem of \$135/day/person, 2 days Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
VIMS Installation	7	Days	ψ100	φοτο	Estaging and 1 of dictif of \$100/ddy/person, 2 days
Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
Labor - 3-person Crew	120	Hours	\$65	\$7,800	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 1 hr day
Vehicle for Field Team	4	Days	\$50	\$200	Assume \$50/day for rental car for field team
PID Rental Miscellaneous Materials	1	Days LS	\$100 \$500	\$400 \$500	
Node Installation	4	Each	\$3,500	\$14,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	8	Hours	\$150	\$1,200	For installation of mitigation fan
Piping Installation [4" diameter piping]	200	LF	\$50	\$10,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 4 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	12	Days Days	\$50 \$135	\$200 \$1,620	Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 4 days
Traver and Per Diem for Subcontractor	12	Days	\$133	\$1,020	Loughing and Fer diem of \$155/day/person, 4 days
Sealing					
Equipment and Subcontractor			04.500	<b>0.4</b> 500	M 19 - 2
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr day
Vehicle for Field Team	3	Days	\$50	\$150	Assume \$50/day for rental car for field team
PID Rental	3	Days	\$100	\$300	
Elastomeric Polymer	20	Tube LS	\$8 \$200	\$160 \$200	
Misc Materials Travel and Per Diem for Subcontractor	6	Days	\$200 \$135	\$810	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing	40		005	<b>#0.000</b>	
Labor - 2-person Crew Vehicle for Field Team	40	Hours Days	\$65 \$50	\$2,600 \$100	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	2	Days	\$100	\$200	Assume \$50/day for remarcal for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	4	Days Days	\$50 \$135	\$100 \$540	Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 2 days
Travel and Per Diem for Subcontractor		Days	ψισο	ΨυΨυ	Loughig and Fer dem or \$155/day/person, 2 days
Travel and Per Diem for Subcontractor  VIMS Installation	7				
Travel and Per Diem for Subcontractor  VIMS Installation  Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
VIMS Installation		Hours Hours	\$135 \$65	\$5,400 \$7,800	
VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	40 120 4	Hours Days	\$65 \$50	\$7,800 \$200	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 1
VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	40 120 4 4	Hours Days Days	\$65 \$50 \$100	\$7,800 \$200 \$400	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 7 hr day
VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	40 120 4 4 1	Hours Days Days LS	\$65 \$50 \$100 \$500	\$7,800 \$200 \$400 \$500	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, hr day
VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	40 120 4 4 4 1 1	Hours Days Days LS Each	\$65 \$50 \$100 \$500 \$3,500	\$7,800 \$200 \$400 \$500 \$14,000	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, hr day
VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	40 120 4 4 1 1 4	Hours Days Days LS Each Each	\$65 \$50 \$100 \$500 \$3,500 \$750	\$7,800 \$200 \$400 \$500 \$14,000 \$750	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 'hr day Assume \$50/day for rental car for field team
VIMS Installation Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	40 120 4 4 4 1 1	Hours Days Days LS Each	\$65 \$50 \$100 \$500 \$3,500	\$7,800 \$200 \$400 \$500 \$14,000	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 7 hr day
VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	40 120 4 4 1 1 4 1 8	Hours Days Days LS Each Each Hours	\$65 \$50 \$100 \$500 \$3,500 \$750 \$150	\$7,800 \$200 \$400 \$500 \$14,000 \$750 \$1,200	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 1 hr day  Assume \$50/day for rental car for field team  For installation of mitigation fan  Assume 50 ft of piping for each node  Lodging and Per diem of \$135/day/person, 4 days
VIMS Installation Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	40 120 4 4 1 1 4 1 8 200	Hours Days Days LS Each Each Hours LF	\$65 \$50 \$100 \$500 \$3,500 \$750 \$150 \$50	\$7,800 \$200 \$400 \$500 \$14,000 \$750 \$1,200 \$10,000	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 1 hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
WODINZULOTI UTU CILC CCLUP			ψ1,000	ψ1,000	
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr day
Vehicle for Field Team	3	Days	\$50	\$150	Assume \$50/day for rental car for field team
PID Rental	3	Days	\$100	\$300	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor  Labor - Oversight	10	Days Hours	\$135 \$135	\$810 \$1,350	Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	Labor Rate for 1 person crew -\$155/fil. 3-days, 10-fil day
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing Labor - 2-person Crew	40	Hours	\$65	\$2,600	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	2	Days	\$50	\$100	Assume \$50/day for rental car for field team
PID Rental	2	Days	\$100	\$200	Assume 400/day for femal our for field team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	2	Days	\$50	\$100	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
VIMS Installation	40	Harris	£405	ФЕ 400	Labar Data for 4 annual annual \$405/bar 4 days 40 ba days
Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 4 days,
Labor - 3-person Crew	120	Hours	\$65	\$7,800	hr day
Vehicle for Field Team	4	Days	\$50	\$200	Assume \$50/day for rental car for field team
PID Rental	4	Days	\$100 \$500	\$400 \$500	
Miscellaneous Materials Node Installation	4	LS Each	\$3,500	\$14,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	8	Hours	\$150	\$1,200	For installation of mitigation fan
Piping Installation [4" diameter piping]	200	LF	\$50	\$10,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 4 days
Vehicle for Oversight	4	Days	\$50	\$200	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	12	Days	\$135	\$1,620	Lodging and Per diem of \$135/day/person, 4 days
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average
Vehicle for Field Team	3	Dove	\$50	\$150	Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr day  Assume \$50/day for rental car for field team
PID Rental	3	Days Days	\$100	\$300	Assume \$50/day for femalical for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	6	Days	\$135	\$810	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing				*****	
Labor - 2-person Crew	40	Hours	\$65 \$50	\$2,600 \$100	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	2	Days Days	\$50 \$100	\$100	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	2	Days	\$50	\$100	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
VIMS Installation Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
Labor - 3-person Crew	120	Hours	\$65	\$7,800	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, hr day
Vehicle for Field Team	4	Days	\$50	\$200	Assume \$50/day for rental car for field team
PID Rental	4	Days	\$100	\$400	7. Section 4007 day for formal our for field team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	4	Each	\$3,500	\$14,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	8	Hours	\$150	\$1,200	For installation of mitigation fan
Piping Installation [4" diameter piping]	200	LF	\$50	\$10,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 4 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	4 12	Days Days	\$50 \$135	\$200 \$1,620	Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 4 days

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
PLEMENTATION COST					
IFEEIMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person crew	00	Tiours	φοσ	ψ5,500	Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr da
Vehicle for Field Team	3	Days	\$50	\$150	Assume \$50/day for rental car for field team
PID Rental	3	Days	\$100	\$300	
Elastomeric Polymer	20	Tube	\$8 \$200	\$160 \$200	
Misc Materials Travel and Per Diem for Subcontractor	6	Days	\$200 \$135	\$200	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	40	Hours	\$65	\$2,600	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	2	Days Days	\$50 \$100	\$100 \$200	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	2	Days	\$50	\$100	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
VIMS Installation  Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 4 days
Labor - 3-person Crew	120	Hours	\$65	\$7,800	hr day
Vehicle for Field Team PID Rental	4	Days	\$50 \$100	\$200 \$400	Assume \$50/day for rental car for field team
Miscellaneous Materials	1	Days LS	\$500	\$500	
Node Installation	4	Each	\$3,500	\$14,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	8	Hours	\$150	\$1,200	For installation of mitigation fan
Piping Installation [4" diameter piping]	200	LF	\$50	\$10,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 4 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	4 12	Days Days	\$50 \$135	\$200 \$1,620	Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 4 days
Traver and Fer Diem for Subcontractor	12	Days	ψ100	Ψ1,020	Loughly and Fer diem of \$133/day/person, 4 days
Sealing					
Equipment and Subcontractor  Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Mobilization and Site Setup	- '	LO	\$1,500	\$1,500	·
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr days, 10-hr days
VIII ( FI II F		_	4	0.50	
Vehicle for Field Team	3	Days	\$50 \$100	\$150	Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer	3 20	Days Tube	\$100 \$8	\$300 \$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	6	Days	\$135	\$810	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing	40	Harris	<b>*</b> CF	\$2,600	0
Labor - 2-person Crew Vehicle for Field Team	40	Hours Days	\$65 \$50	\$2,600	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	2	Days	\$100	\$200	Assume \$50/day for remarcal for field team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	2	Days	\$50	\$100	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
VIMS Installation Labor - Oversight			\$65		Average Labor Rate for 3 person crew at \$65/hr per person, 4 days
Labor - Oversight		LI 61.156	202	\$7,800	hr day
Labor - Oversight  Labor - 3-person Crew	120	Hours			
Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	120 4	Days	\$50	\$200	Assume \$50/day for rental car for field team
Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team  PID Rental	120 4 4	Days Days	\$100	\$400	Assume \$50/day for rental car for field team
Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Materials	120 4 4 1	Days Days LS	\$100 \$500	\$400 \$500	Assume \$50/day for rental car for field team
Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team  PID Rental	120 4 4	Days Days LS Each	\$100 \$500 \$3,500	\$400 \$500 \$14,000	Assume \$50/day for rental car for field team
Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	120 4 4 1 1	Days Days LS	\$100 \$500	\$400 \$500	For installation of mitigation fan
Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	120 4 4 1 1 4 1 8 200	Days Days LS Each Each Hours LF	\$100 \$500 \$3,500 \$750 \$150 \$50	\$400 \$500 \$14,000 \$750 \$1,200 \$10,000	For installation of mitigation fan Assume 50 ft of piping for each node
Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	120 4 4 1 4 1 8 200 4	Days Days LS Each Each Hours LF Days	\$100 \$500 \$3,500 \$750 \$150 \$50 \$135	\$400 \$500 \$14,000 \$750 \$1,200 \$10,000 \$540	For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 4 days
Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	120 4 4 1 1 4 1 8 200	Days Days LS Each Each Hours LF	\$100 \$500 \$3,500 \$750 \$150 \$50	\$400 \$500 \$14,000 \$750 \$1,200 \$10,000	For installation of mitigation fan Assume 50 ft of piping for each node

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MDI EMENTATION COST					
MPLEMENTATION COST	_				
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•			·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing  Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	Tresume georgaly for formal car for final team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	1.5	Days	\$50	\$75	Assume \$50/day for rental car
VIMS Installation	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials  Node Installation	2	LS	\$500 \$3,500	\$500 \$7,000	
Mitigation Fan	1	Each Each	\$750	\$7,000	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
0					
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Mobilization and one octup			ψ1,000	ψ1,000	·
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr day
Vehicle for Field Team	3	Days	\$50	\$150	Assume \$50/day for rental car for field team
PID Rental	3	Days	\$100 \$8	\$300	
Elastomeric Polymer Misc Materials	20	Tube LS	\$200	\$160 \$200	
Travel and Per Diem for Subcontractor	6	Days	\$135	\$810	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	, , , , , , , , , , , , , , , , , , , ,
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	40	Hours	\$65	\$2,600	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	2	Days	\$50	\$100	Assume \$50/day for rental car for field team
PID Rental Miscellaneous Supplies	1	Days LS	\$100 \$400	\$200 \$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	2	Days	\$50	\$100	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
VIMS Installation					
Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
Labor - 3-person Crew	120	Hours	\$65	\$7,800	Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 1
Vehicle for Field Team	4	Days	\$50	\$200	hr day  Assume \$50/day for rental car for field team
PID Rental	4	Days	\$100	\$200 \$400	ποσαιτίο ψου/day for remai car for field teaffi
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	4	Each	\$3,500	\$14,000	
Mitigation Fan	1	Each	\$750	\$750	
	8	Hours	\$150	\$1,200	For installation of mitigation fan
Electrician				040.000	Assume 50 ft of piping for each node
Piping Installation [4" diameter piping]	200	LF	\$50	\$10,000	
Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	200 4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 4 days
Piping Installation [4" diameter piping]	200				

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
			·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	20	Days Tube	\$100 \$8	\$100 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing				2	
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	1.5 1.5	Days Days	\$50 \$100	\$75 \$150	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1.5	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation	20.5	Harris	£405	<b>#2.020</b>	Labor Data for 4 access are with 25% are 2.05 days 40 be deve
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan Electrician	5	Each Hours	\$750 \$150	\$750 \$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing Equipment and Subcontractor	-				
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100		
Flactomeric Polymer				\$100	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	Tube LS	\$8 \$200	\$160 \$200	Ladging and Day diam of \$125/day/parson
Misc Materials Travel and Per Diem for Subcontractor	1 2	Tube LS Days	\$8 \$200 \$135	\$160 \$200 \$270	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew \$135/br 1 day 10-br day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	1 2 10	Tube LS Days Hours	\$8 \$200 \$135 \$135	\$160 \$200 \$270 \$1,350	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	1 2 10 1	Tube LS Days Hours Days	\$8 \$200 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	1 2 10	Tube LS Days Hours	\$8 \$200 \$135 \$135	\$160 \$200 \$270 \$1,350	
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 2 10 1	Tube LS Days Hours Days	\$8 \$200 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	1 2 10 1 1 1 30 1.5	Tube LS Days Hours Days Days Hours Days	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	1 2 10 1 1 1 30 1.5	Tube LS Days Hours Days Days Days Days Hours Days	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Days LS	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Days LS Each	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$4400 \$350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 2 10 1 1 1 30 1.5 1.5 1 1 1	Tube LS Days Hours Days Days LS Each Hours	\$8 \$200 \$135 \$135 \$135 \$50 \$50 \$50 \$100 \$400 \$350 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days LS Each Hours Days	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  **Diagnostic Testing** Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 2 10 1 1 1 30 1.5 1.5 1 1 1	Tube LS Days Hours Days Days Hours Days LS Each Hours Days Days	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Travel and Per Diem for Subcontractor VIMS Installation	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days LS Each Hours Days Days	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Travel and Per Diem for Subcontractor VIMS installation Labor - Oversight	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours	\$8 \$200 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3350 \$135 \$135 \$50 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for First Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew	1 2 10 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Hours Hours Hours Hours	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$50 \$135 \$135 \$50 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Oversight Labor - 3-person Crew Vehicle for Field Team	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$8 \$200 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$53 \$550 \$135 \$550 \$135 \$550 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$4135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$405 \$405 \$405 \$405 \$405 \$405 \$40	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1 2 10 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Hours Days LS Each Hours Days Hours LS Each Hours Days Days LS Each Hours Days Days LS LS LS Each LO LS	\$8 \$200 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$4135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$405 \$405 \$405 \$405 \$405 \$405 \$40	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Toversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1 2 10 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Each Hours Hours Days Days Days Days Days Days Hours Hours Days Hours Days Days Hours Days Days Days Days Days Days Days Day	\$8 \$200 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Hours Days Hours Days LS Each Hours Days Days LS Each Hours	\$8 \$200 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Hours Days Hours Days LS Each Hours Days Days LS Each Hours Days LS Each Hours LS Each Hours LS LS Each Hours LS	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$750 \$5,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Pijning Installation [4" diameter piping]	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Hours Days Hours Days LS Each Hours Days Days LS Each Hours	\$8 \$200 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
WIFLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
Vehicle for Field Team	1	Days	\$50	\$50	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	Assume \$50/day for rental car for new team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight Travel and Per Diem for Oversight	10	Hours Days	\$135 \$135	\$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing	· .	Dayo	ψου	Ψοσ	7 tooding God ady for formal our
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental Miscellaneous Supplies	1.5	Days LS	\$100 \$400	\$150 \$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials Node Installation	1 2	LS Each	\$500 \$3,500	\$500 \$7,000	
Mitigation Fan	1	Each	\$750	\$7,000	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	Treatine goorday for formal out for flora touri
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days			
	10		\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$270 \$1,350	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Hours Days	\$135 \$135	\$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight	_	Hours	\$135	\$270 \$1,350	
Travel and Per Diem for Oversight	1	Hours Days	\$135 \$135	\$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	1 1 30 1.5	Hours Days Days Hours Days	\$135 \$135 \$50 \$65 \$50	\$270 \$1,350 \$135 \$50 \$1,950 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	1 1 30 1.5 1.5	Hours Days Days Hours Days Days	\$135 \$135 \$50 \$65 \$50 \$100	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	1 1 30 1.5 1.5	Hours Days Days Hours Days LS	\$135 \$135 \$50 \$65 \$50 \$100 \$400	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	1 1 30 1.5 1.5 1	Hours Days Days Hours Days LS Each	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 1 30 1.5 1.5 1 1 1	Hours Days Days Hours Days LS Each Hours	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	1 1 30 1.5 1.5 1	Hours Days Days Hours Days LS Each	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 1 30 1.5 1.5 1 1 1 15 1.5	Hours Days Days Hours Days LS Each Hours Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 3	Hours Days Days Hours Days Days LS Each Hours Days LS Days Days Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5	Hours Days Days Hours Days LS Each Hours Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 3	Hours Days Days Hours Days Days LS Each Hours Days LS Days Days Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5 22.5	Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days Days Hours Days Days Days Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1 1 30 1.5 1.5 1 1 1 5 1.5 1.5 1.5 2.5 67.5	Hours Days Days Hours Days Days LS Each Hours Days Days Hours Days Days Days Hours	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Hours Days LS Each Hours Days Days Hours Days Days Days LS EACH LS EAC	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$135	\$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 22.5 67.5 2.25 2.25 1	Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days Days LS Each Each Each	\$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$50 \$100 \$500 \$500 \$500 \$500 \$500 \$500	\$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Hours Days Days LS Each Hours Days Days Days Days LS Each Hours LS Each Hours Hours Hours Hours Hours LS Each Hours Hours Hours Hours Hours LS Each Hours Hours	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$500 \$3,500 \$3,500 \$750 \$150	\$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days LS Each Hours LS Each Hours LS LS Each Each Hours	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$50 \$135 \$65 \$50 \$135 \$65 \$50 \$100 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Hours Days Days LS Each Hours Days Days Days Days LS Each Hours LS Each Hours Hours Hours Hours Hours LS Each Hours Hours Hours Hours Hours LS Each Hours Hours	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$500 \$3,500 \$3,500 \$750 \$150	\$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Hours LS Each Hours Days LS Each LS Each Hours Days LS Each Hours Days	\$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$750 \$5,000 \$3,034	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IPLEMENTATION COST	_	_			
Sealing					
Equipment and Subcontractor  Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Modifization and Site Setup	-	LO	\$1,500	\$1,500	
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	7 ISSUME \$50/day for rental call for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation		Ĺ		*	
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
<u>'</u>			·		hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	E CONTRACTOR OF THE CONTRACTOR
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight  Vehicle for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Travel and Per Diem for Subcontractor	3	Days	\$50	\$50 \$405	Assume \$50/day for rental car
Travel and Pel Diem for Subcontractor	3	Days	\$135	<b>Φ405</b>	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•			·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer	20	Tube	\$8 \$200	\$160 \$200	
Misc Materials Travel and Per Diem for Subcontractor	2		\$200 \$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Days Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	10	Days	\$135	\$135	Labor Rate for 1 person crew -\$135/fil. 1 day, 10-fil day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing		Days	Ψ30	ΨΟΟ	Assume \$50/day for fental cal
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	7 ISSUME \$50/day for rental call for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$135 \$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
					10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental Miscellaneous Materials	2.25	Days LS	\$100 \$500	\$225 \$500	
Miscellaneous Materials  Node Installation	1				
Node Installation Mitigation Fan	1	Each Each	\$3,500 \$750	\$7,000 \$750	
Electrician	5	Hours	\$750 \$150	\$750 \$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$150 \$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
	2.20	Days		ψιισ	
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
INPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•			·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing Labor - 2-person Crew	30	Hours	\$65	\$1,950	0
Vehicle for Field Team	1.5	Days	\$50	\$75	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	7 ISSUITE GOOVERY FOR TOTAL OUT TO THOSE COURT
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	1.5	Days	\$50	\$75	Assume \$50/day for rental car
VIMS Installation	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
<u>'</u>			*		10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days LS	\$100 \$500	\$225 \$500	
Miscellaneous Materials Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
<u> Едафіноні ана барсоннасіої</u>					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Mobilization and Site Setup	1 20	LS Hours			Sealing, wall reconstructions, sealing utility penetrations; Average
Mobilization and Site Setup  Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	20 1	Hours Days	\$65 \$50	\$1,300 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	20	Hours Days Days	\$65 \$50 \$100	\$1,300 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	20 1	Hours Days	\$65 \$50	\$1,300 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Elastomeric Polymer  Misc Materials  Travel and Per Diem for Subcontractor	20 1 1 20 1 2	Hours Days Days Tube	\$65 \$50 \$100 \$8 \$200 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Elastomeric Polymer  Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight	20 1 1 20 1 2 10	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight	20 1 1 20 1 2 1 2 10	Hours Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight	20 1 1 20 1 2 10	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing	20 1 1 20 1 2 10 1 1	Hours Days Days Tube LS Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew	20 1 1 20 1 2 10 1 1 1	Hours  Days Days Tube LS Days Hours Days Hours Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing	20 1 1 20 1 2 10 1 1 1 1 30 1.5	Hours Days Days Tube LS Days Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	20 1 1 20 1 2 10 1 1 1	Hours  Days Days Tube LS Days Hours Days Hours Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1	Hours Days Days Tube LS Days Hours Days Days LS Boys LS LS Days LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$400 \$350	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1 1 15	Hours Days Days Tube LS Days Hours Days Days LS Days Hours Days LS LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 15 1.5	Hours Days Days Tube LS Days Hours Days Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car 2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,023 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 15 1.5	Hours Days Days Tube LS Days Hours Days Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car 2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,023 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 3 2 2 2 3 3 4 5 5 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 3 2 2.5 67.5	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$2200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 2.5 67.5 2.25	Hours Days Days Tube LS Days Hours Days Days LS Days Hours Days Days LS Each Hours Days Days Hours LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50  \$65 \$50 \$1135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	20 1 1 20 1 1 2 10 1 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Days LS Each Days Days Days Days Days Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$2,025 \$2,025 \$405 \$330 \$438 \$4388 \$113	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 2.5 67.5 2.25 1	Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each LO Each L	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$136 \$50 \$100 \$400 \$400 \$500	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	20 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50 \$65 \$50 \$1135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$1,350 \$1,350 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 2.5 67.5 2.25 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days LS Each Hours Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50  \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405  \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day  Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 30 1.5 1.5 1 1.5 1.5 2.25 2.25 1 2 1	Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50 \$65 \$50 \$1135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$1,350 \$1,350 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Gversight  Travel and Per Diem for Oversight Vehicle for Oversight  Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	20 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days LS Each Hours LS Each Hours LS Each LS Each LS Each LS Each LS Each Hours Days Days LS LS Each Hours Days Days LS LS Each Hours Days Days LS Each Hours LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50  \$1,350 \$1,350 \$75 \$150 \$400 \$330 \$2,025 \$203 \$75 \$405  \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$5,000 \$304	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day  Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS Each Hours LS	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$500 \$5500 \$5500 \$3,500 \$750 \$150 \$550	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50  \$1,950 \$75 \$150 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$5,000	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
INIT EEMENTATION GGGT					
Sealing					
Equipment and Subcontractor	4	LS	¢1 500	¢4 500	Matrix at a second to a second and a second and
Mobilization and Site Setup	1		\$1,500	\$1,500	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer	20	Days Tube	\$100 \$8	\$100 \$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135 \$135	\$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	1	Days Days	\$135 \$50	\$135 \$50	Assume \$50/day for rental car
Diagnostic Testing	· ·	Dayo	φου	ψου	7 course quorady for formal cul
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	1.5 1.5	Days Days	\$50 \$100	\$75 \$150	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1.5	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	1.5 1.5	Days Days	\$135 \$50	\$203 \$75	Lodging and Per diem of \$135/day/person, 1.5 days  Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation		.,.			
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	·
Miscellaneous Materials  Node Installation	3	LS Each	\$500 \$3,500	\$500 \$10,500	
Mitigation Fan	1	Each	\$3,500 \$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	150	LF	\$50	\$7,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight  Vehicle for Oversight	2.25 2.25	Days Days	\$135 \$50	\$304 \$113	Lodging and Per diem of \$135/day/person, 2.25 days  Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
				•	
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
Vehicle for Field Team	1	Days	\$50	\$50	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer	20	Tube	\$8 \$200	\$160	
Misc Materials Travel and Per Diem for Subcontractor	1	LS			
	2			\$200 \$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	2 10	Days Hours	\$135 \$135	\$200 \$270 \$1,350	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	10 1	Days Hours Days	\$135 \$135 \$135	\$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight	10	Days Hours	\$135 \$135	\$270 \$1,350	
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	10 1 1	Days Hours Days Days	\$135 \$135 \$135 \$50	\$270 \$1,350 \$135 \$50	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	10 1	Days Hours Days	\$135 \$135 \$135	\$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	10 1 1 1 30 1.5 1.5	Days Hours Days Days Hours Days Hours Days	\$135 \$135 \$135 \$50 \$65 \$50 \$100	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	10 1 1 1 30 1.5	Days Hours Days Days Hours Days LS	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	10 1 1 30 1.5 1.5 1	Days Hours Days Days Hours Days LS Each	\$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10 1 1 1 30 1.5 1.5	Days Hours Days Days Hours Days LS	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 1 1 30 1.5 1.5 1 1 1 15 1.5	Days Hours Days Days Hours Days LS Each Hours Days Days	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	10 1 1 30 1.5 1.5 1 1 1 15 1.5	Days Hours Days Days Hours Days LS Each Hours Days	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 1 1 30 1.5 1.5 1 1 1 15 1.5	Days Hours Days Days Hours Days LS Each Hours Days Days	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	10 1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5 3 22.5	Days Hours Days Days Hours Days Days LS Each Hours Days Days Hours Hours	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew	10 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 2.5 67.5	Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days Days Hours Hours	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	10 1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 2.25	Days Hours Days Days Hours Days LS Each Hours Days Days Hours LS Each Hours Days Days Days Days Days Days Days	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,025 \$405 \$3,038 \$4,388 \$113	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	10 1 1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 2.25 67.5	Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days Days LS LS Each LS Eac	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$4,388 \$113 \$225 \$500	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 2.25 2.25 2.25	Days Hours Days Days Days Days LS Each Hours Days Days LS Each Each	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	10 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 3 22.5 67.5 2.25 1 3 1	Days Hours Days Days Days Days Beach Hours Days Beach Hours Days Days Days Days Days Days LS Each Hours Days Days Days LS Each Each	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	10 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 22.5 67.5 2.25 2.25 1 3 1	Days Hours Days Days Days Days LS Each Hours Days Days LS Each Each	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation  Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Materials  Node Installation  Mitigation Fan  Electrician  Piping Installation [4" diameter piping]  Travel and Per Diem for Oversight	10 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 22.5 67.5 2.25 2.25 1 3 1 5 1 22.5	Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days LS Each Hours Days LS LS Each Hours Days LS LS LS Each LS Each Hours Days LS LS Each Hours Days LS Days LS Days LS LS Each Hours LS Each H	\$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$50 \$100 \$500 \$3,500 \$3,500 \$750 \$150 \$150	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Travel and Per Diem for Subcontractor VIMS Installation Union Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 2.25 67.5 2.25 2.25 1 3 1 5 1.5	Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS LS Each Hours LS LS LS LS LS Each LS Each LS Each	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor	+				
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
	20	Hours	\$65		Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew			·	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	20	Days Tube	\$100 \$8	\$100 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing			005	04.050	
Labor - 2-person Crew Vehicle for Field Team	30 1.5	Hours Days	\$65 \$50	\$1,950 \$75	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	Assume \$50/day for femalical for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor  VIMS Installation	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials Node Installation	1	LS	\$500	\$500	
Mitigation Fan	3	Each Each	\$3,500 \$750	\$10,500 \$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	150	LF	\$50	\$7,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor	+				
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
	1	Days	\$50	ψι,σσσ	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
				ΦF0	A
Vehicle for Field Team	_			\$50 \$100	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer	_	Days Tube	\$100 \$8	\$100 \$160	Assume \$50/day for rental car for field team
PID Rental	1 20	Days	\$100	\$100	Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	1 20 1 2 10	Days Tube LS Days Hours	\$100 \$8 \$200 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350	
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	1 20 1 2 10	Days Tube LS Days Hours Days	\$100 \$8 \$200 \$135 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 20 1 2 10	Days Tube LS Days Hours	\$100 \$8 \$200 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350	Lodging and Per diem of \$135/day/person
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing	1 20 1 2 10 1 1	Days Tube LS Days Hours Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Assume \$50/day for rental car
PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew	1 20 1 2 10 1 1 1	Days Tube LS Days Hours Days Hours Hours	\$100 \$8 \$200 \$135 \$135 \$135 \$50	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	1 20 1 2 10 1 1 1 1 30 1.5	Days Tube LS Days Hours Days Hours Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Assume \$50/day for rental car
PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew	1 20 1 2 10 1 1 1	Days Tube LS Days Hours Days Hours Hours	\$100 \$8 \$200 \$135 \$135 \$135 \$50	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	1 20 1 2 10 1 1 1 30 1.5	Days Tube LS Days Hours Days Days Days Days Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 20 1 2 10 1 1 1 30 1.5 1.5 1 1	Days Tube LS Days Hours Days Days LS Each Hours	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
PID Rental  Elastomeric Polymer  Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight	1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Hours Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Days Days LS Days Days Days Days Days LS Each Hours Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Hours Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	1 20 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5 1.5 1.5 1.	Days Tube LS Days Hours Days Hours Days LS Each Hours Days Each Hours Days LS Each Hours Days Days LS Hours Days Days LS	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$335 \$135 \$135 \$135 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
PID Rental  Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$335 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$66	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for 3-person Crew Vehicle for Field Team	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days Hours Days LS Each Hours Days Days Days Days Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1950 \$75 \$150 \$4400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days Days Days Days Days Days Days Day	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$100 \$400 \$400 \$400 \$400 \$50 \$50 \$100 \$400 \$50 \$50 \$100 \$50 \$50 \$100 \$400 \$50 \$50 \$100 \$50 \$50 \$100 \$50 \$50 \$100 \$50 \$50 \$100 \$50 \$50 \$100 \$50 \$50 \$100 \$50 \$50 \$100 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$405	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS LS Each LO Each L	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$50 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Each Each Each Each Each Each Each	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$4,388 \$113 \$225 \$500 \$10,500	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Days LS Each Hours Days LS Each Hours Days Days LS LS Each Each	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$100 \$400 \$400 \$400 \$400 \$500 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$4,388 \$4,388 \$113 \$225 \$500 \$10,500	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
PID Rental  Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mittigation Fan Electrician	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Hours	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Days LS Each Hours Days LS Each Hours Days Days LS LS Each Each	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$100 \$400 \$400 \$400 \$400 \$500 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$4,388 \$4,388 \$113 \$225 \$500 \$10,500	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS Each Hours LS LS Each Hours LS	\$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$150 \$500 \$500 \$5500 \$5500 \$5500	\$100 \$160 \$200 \$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$2,025 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
	20	Hours	\$65		Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew				\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1 20	Days Tube	\$100 \$8	\$100 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$8 \$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing			005	04.050	
Labor - 2-person Crew Vehicle for Field Team	30 1.5	Hours	\$65 \$50	\$1,950 \$75	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
PID Rental	1.5	Days Days	\$100	\$150	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation Mitigation Fan	3	Each Each	\$3,500 \$750	\$10,500 \$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	150	LF	\$50	\$7,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
					Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Days Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing	00		\$65	04.050	0 1 45 1 40 1 1 4 6 6 6 6
Labor - 2-person Crew	30	Hours			2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5			\$1,950 \$75	Assume \$50/day for rental car for field team
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5 1.5	Days Days			Assume \$50/day for rental car for field team
	1.5	Days	\$50 \$100	\$75 \$150	Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
PID Rental Miscellaneous Supplies	1.5 1	Days Days LS	\$50 \$100 \$400	\$75 \$150 \$400	
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	1.5 1 1 15 1.5	Days Days LS Each Hours Days	\$50 \$100 \$400 \$350 \$135 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1.5 1 1 15 1.5 1.5	Days Days LS Each Hours Days Days	\$50 \$100 \$400 \$350 \$135 \$135 \$50	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1.5 1 1 15 1.5	Days Days LS Each Hours Days	\$50 \$100 \$400 \$350 \$135 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	1.5 1 1 15 1.5 1.5 3	Days Days LS Each Hours Days Days Days	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	1.5 1 1 15 1.5 1.5 3	Days Days LS Each Hours Days Days Days Hours	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	1.5 1 1 15 1.5 1.5 3	Days Days LS Each Hours Days Days Days	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	1.5 1 1 15 1.5 1.5 3	Days Days LS Each Hours Days Days Days Hours	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1.5 1 1 15 1.5 1.5 3 22.5 67.5	Days Days LS Each Hours Days Days Days Days Hours Hours	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental care Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1.5 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25	Days Days LS Each Hours Days Days Days Days Hours Hours LS LS LS	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$135 \$65 \$50 \$100 \$500	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1.5 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 2.25	Days Days LS Each Hours Days Days Days Days LS Hours Hours LS Each	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$65 \$100 \$350 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1.5 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 1 3	Days Days LS Each Hours Days Days Days Days LS Each Hours LS Each Each Each Each	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750	\$75 \$150 \$4400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1.5 1 1 15 1.5 1.5 22.5 67.5 2.25 2.25 1 3 1 5	Days Days LS Each Hours Days Days Days Days Days LS Each Hours Days Hours LS Each Each	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$100 \$500 \$500 \$750 \$150	\$75 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1.5 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 1 3 1 5 150	Days Days LS Each Hours Days Days Days Days Hours Hours LS Each Each LS Each LS Each LS Each LS Each LS Each LS Each	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750 \$150 \$50	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1.5 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 1 3 1 5 1.5 2.25	Days Days LS Each Hours Days Days Days Hours Hours LS Each Each Hours LS Each Each Hours	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$500 \$750 \$150 \$150 \$150 \$150 \$135	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$7,500 \$304	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1.5 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 1 3 1 5 150	Days Days LS Each Hours Days Days Days Days Hours Hours LS Each Each LS Each LS Each LS Each LS Each LS Each LS Each	\$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750 \$150 \$50	\$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750	Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
ADI EMENTATION COOT					
MPLEMENTATION COST		_			
Sealing		_			
Equipment and Subcontractor		+			
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
			· ·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing  Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people 1.5 days 10 hr day Averege labor rate CGF/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	7 Courte Goorday for Territar car for field team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	1.5	Days Days	\$50 \$135	\$75 \$405	Assume \$50/day for rental car
VIMS Installation	3	Days	\$133	\$ <del>4</del> 05	Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
	67.5				Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Labor - 3-person Crew		Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental Miscellaneous Materials	2.25	Days	\$100 \$500	\$225 \$500	
Node Installation	1 2	LS Each	\$3,500	\$7,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer	20	Tube	\$8	6400	
Misc Materials			ΨΟ	\$160	
	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	LS Days	\$200 \$135	\$200 \$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	2 10	LS Days Hours	\$200 \$135 \$135	\$200 \$270 \$1,350	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - Oversight Travel and Per Diem for Oversight	2 10 1	LS Days Hours Days	\$200 \$135 \$135 \$135	\$200 \$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	2 10	LS Days Hours	\$200 \$135 \$135	\$200 \$270 \$1,350	
Labor - Oversight Travel and Per Diem for Oversight	2 10 1	LS Days Hours Days	\$200 \$135 \$135 \$135	\$200 \$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	2 10 1 1 1 30 1.5	LS Days Hours Days Days Days Hours Days	\$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	2 10 1 1 1 30 1.5 1.5	LS Days Hours Days Days Days Days Hours Days Days	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	2 10 1 1 1 30 1.5 1.5	LS Days Hours Days Days Days  Hours Days LS	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	2 10 1 1 1 30 1.5 1.5 1	LS Days Hours Days Days Hours Days LS Days LS Each	\$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$4400 \$350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	2 10 1 1 1 30 1.5 1.5 1 1 1	LS Days Hours Days Days Hours Days LS Each	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$200 \$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	2 10 1 1 30 1.5 1.5 1 1 15 1.5	LS Days Hours Days Days Hours Days LS Each Hours Days	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	2 10 1 1 1 30 1.5 1.5 1 1 1	LS Days Hours Days Days Hours Days LS Each	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$200 \$270 \$1,350 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 3	LS Days Hours Days Days  Hours Days LS Each Hours Days	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$160 \$400 \$350 \$2,025 \$203 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	2 10 1 1 1 30 1.5 1.5 1 1 1 15 1.5	LS Days Hours Days Days  Hours Days LS Each Hours Days	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 3	LS Days Hours Days Days Hours Days LS Each Hours Days Days Days Days Days	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$160 \$400 \$350 \$2,025 \$203 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew	2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 3 22.5	LS Days Hours Days Days Days Days LS Each Hours Days Days LS Hours Hours	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$160 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	2 10 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 1.5 2.25	LS Days Hours Days Days Days Days LS Each Hours Days LS Each Hours Days Days Days Days Days Days Days	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew	2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 3 22.5	LS Days Hours Days Days Days Days LS Each Hours Days Days LS Hours Hours	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$160 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	2 10 1 1 1 30 1.5 1.5 1 1 1 15 1.5 2.2.5 67.5 2.25	LS Days Hours Days Days Days LS Each Hours LS Each LS Each	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitgation Fan Mitgation Fan Mitgation Fan	2 10 1 1 1 30 1.5 1.5 1 1 15 1.5 2.5 67.5 2.25 2.25 1 2	LS Days Hours Days Days Hours Days Days LS Each Hours Each	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Installation Mitigation Fan Electrician	2 10 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 22.5 67.5 2.25 2.25 1 2	LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days LS Each LS Each Hours Days LS Each Hours LS Each Hours LS Each Hours Hours LS LS Each Hours LS LS LS Each Hours	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$100 \$135 \$135 \$50 \$135 \$750 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$1	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	2 10 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 22.5 67.5 2.25 2.25 2.25 1 2	LS Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$1,950 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$5,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Diem for Oversight Labor - Oversight Labor - Oversight Labor - Serson Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight  Travel and Per Diem for Oversight	2 10 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 2.2.5 67.5 2.25 1 2 1 5 1 100 2.25	LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS LS Each LG LS Each LS Each LS Each LS Each Hours	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$5,000 \$304	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	2 10 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 22.5 67.5 2.25 2.25 2.25 1 2	LS Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS	\$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$1,950 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$5,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
	20	Hours	\$65	£1 200	Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew				\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1 20	Days Tube	\$100 \$8	\$100 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$8 \$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing				2	
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	1.5 1.5	Days Days	\$50 \$100	\$75 \$150	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1.5	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation	00.5	Harries	£40E	<b>#2.020</b>	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - Oversight	22.5	Hours	\$135	\$3,038	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan Electrician	1 5	Each Hours	\$750 \$150	\$750 \$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·	20		\$65		Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew		Hours		\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer Misc Materials	20	Tube LS	\$8 \$200	\$160 \$200	
Travel and Per Diem for Subcontractor	2	Days			
Labor - Oversight	10			\$270	II odging and Per diem of \$135/day/person
		Hours	\$135 \$135	\$270 \$1.350	Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Hours Days	\$135 \$135 \$135	\$270 \$1,350 \$135	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight			\$135	\$1,350	
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	1	Days Days	\$135 \$135 \$50	\$1,350 \$135 \$50	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew	1 1 30	Days Days Hours	\$135 \$135 \$50 \$65	\$1,350 \$135 \$50 \$1,950	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	1 1 30 1.5	Days Days Hours Days	\$135 \$135 \$50 \$65 \$50	\$1,350 \$135 \$50 \$1,950 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	1 1 30 1.5 1.5	Days Days Hours Days Days	\$135 \$135 \$50 \$65 \$50 \$100	\$1,350 \$135 \$50 \$1,950 \$75 \$150	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	1 1 30 1.5 1.5	Days Days Hours Days Days LS	\$135 \$135 \$50 \$65 \$50 \$100 \$400	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	1 1 30 1.5 1.5 1	Days Days Hours Days Days LS Each	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	1 1 30 1.5 1.5	Days Days Hours Days Days LS Each Hours	\$135 \$135 \$50 \$65 \$50 \$100 \$400	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 1 30 1.5 1.5 1 1 1	Days Days Hours Days Days LS Each	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 1 30 1.5 1.5 1 1 1 15 1.5	Days Days Hours Days Days LS Each Hours Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day  Lodging and Per diem of \$135/day/person, 1.5 days
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5	Days Days Hours Days Days LS Each Hours Days Days LS Each Days Days Days	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5	Days Days Hours Days Days LS Each Hours Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day  Lodging and Per diem of \$135/day/person, 1.5 days  Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5	Days Days Hours Days Days LS Each Hours Days Days LS Each Days Days Days	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 22.5 67.5	Days Days Hours Days Days LS Each Hours Days Days Hours Hours	\$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 22.5	Days Days Hours Days Days LS Each Hours Days Days Hours	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 22.5 67.5	Days Days Hours Days LS Each Hours Days Days Hours Hours Days Days Days Days Days Days	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 1 30 1.5 1.5 1 1 1 5 1.5 1.5 1.5 22.5 67.5 2.25 2.25 2.25	Days Days Hours Days LS Each Hours Days Days LS Hours Days Days Days LS Each Hours LS Each Hours Each Hours Each Hours Each Each	\$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 22.5 67.5 2.25 1 2	Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days Days LS Each Hours Days Days LS Each Hours LS Each Each Each	\$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$50 \$135 \$100 \$500 \$500 \$500 \$500 \$500 \$500 \$50	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
Travel and Per Diem for Oversight Vehicle for Oversight Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Hours Days LS Each Hours Days Days LS Each Hours Days LS Each LS Each Hours LS LS Each Hours Hours LS	\$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$1113 \$225 \$500 \$7,000 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Hours Days LS Each Hours Days Days LS Each Hours Days LS Each LS Each Hours LS	\$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$5,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Hours Days LS Each Hours Days Days Days Days Days LS Each Hours Hours Hours LS Each Hours LS Each LS Each Hours	\$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$100 \$500 \$500 \$500 \$500 \$500 \$500 \$50	\$1,350 \$135 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$5,000 \$304	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Hours Days LS Each Hours Days Days LS Each Hours Days LS Each LS Each Hours LS	\$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$5,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•					Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer	1 20	Days Tube	\$100 \$8	\$100 \$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing			005	04.050	
Labor - 2-person Crew Vehicle for Field Team	30 1.5	Hours	\$65 \$50	\$1,950 \$75	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
PID Rental	1.5	Days Days	\$100	\$150	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation Mitigation Fan	2	Each Each	\$3,500 \$750	\$7,000 \$750	
Electrician	1 5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
					Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer	1 20	Days Tube	\$100 \$8	\$100 \$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135		Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1			\$1,350	
	ı	Days	\$135	\$1,350 \$135	East rate of a person from grown. Taay, to mady
Vehicle for Oversight	1	Days Days			Assume \$50/day for rental car
Vehicle for Oversight  Diagnostic Testing	1	Days	\$135 \$50	\$135 \$50	Assume \$50/day for rental car
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew	30	Days Hours	\$135 \$50 \$65	\$135 \$50 \$1,950	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	30 1.5	Days Hours Days	\$135 \$50 \$65 \$50	\$135 \$50 \$1,950 \$75	Assume \$50/day for rental car
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	30 1.5 1.5	Days Hours Days Days	\$135 \$50 \$65 \$50 \$100	\$135 \$50 \$1,950 \$75 \$150	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	30 1.5 1.5	Days Hours Days Days LS	\$135 \$50 \$65 \$50 \$100 \$400	\$135 \$50 \$1,950 \$75 \$150 \$400	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	30 1.5 1.5	Days Hours Days Days LS Each	\$135 \$50 \$65 \$50 \$100	\$135 \$50 \$1,950 \$75 \$150	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling	1 30 1.5 1.5 1	Days Hours Days Days LS	\$135 \$50 \$65 \$50 \$100 \$400 \$350	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight	1 30 1.5 1.5 1 1 1	Days Hours Days Days LS Each Hours	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew \$135/hr: 1.5 days, 10-hr day
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 30 1.5 1.5 1 1 1 15 1.5	Days Hours Days Days LS Each Hours Days	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation	1 30 1.5 1.5 1 1 15 1.5 1.5 1.5	Days Hours Days LS Each Hours Days Days Days	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation  Labor - Oversight	1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5 22.5	Days Hours Days Days LS Each Hours Days	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation	1 30 1.5 1.5 1 1 15 1.5 1.5 1.5	Days Hours Days LS Each Hours Days Days Days	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation  Labor - Oversight	1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5 22.5	Days Hours Days Days LS Each Hours Days Days Hours Days Days Days Days	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental	1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 22.5 67.5	Days Hours Days LS Each Hours Days Days Hours Days Hours	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$4,388 \$113 \$225	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 22.5 67.5 2.25 1	Days Hours Days LS Each Hours Days Days Days Hours Days Days LS	\$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 22.5 67.5 2.25 2.25 1	Days Hours Days Days LS Each Hours Days Days Days Days LS Each Hours LS Each Hours Each LS Each	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1 30 1.5 1.5 1 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 1 1	Days Hours Days Days LS Each Hours Days Days Days Days Days Days LS Hours Hours LS Each Each	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$750	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$750	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 22.5 67.5 2.25 2.25 1 1 1 5	Days Hours Days Days LS Each Hours Days Days Days Days Days LO Hours Days LO Hours Hours LO	\$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$50 \$135 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750 \$150	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$750	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 30 1.5 1.5 1 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 1 1 1 5 5 5 67.5	Days Hours Days LS Each Hours Days Days LS Each Hours Days LS Each Each Hours LS Each LS Each Each Each	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$750 \$750	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight  Labor - Oversight  Diem for Subcontractor VIMS Installation Labor - Oversight  Labor - Sperson Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1 30 1.5 1.5 1.5 1.5 1.5 1.5 1.5 3 22.5 67.5 2.25 1 1 1 5 0 2.25	Days Hours Days LS Each Hours Days Days Days Days LS Each Hours LS Each Hours LS Each Hours LS LS Each Each Hours	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$65 \$50 \$100 \$500 \$750 \$150 \$150 \$150 \$150 \$150 \$150 \$150 \$1	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$750 \$750 \$750 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500 \$4,500	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4* diameter piping]	1 30 1.5 1.5 1 1 1 15 1.5 1.5 3 22.5 67.5 2.25 2.25 1 1 1 5 5 5 67.5	Days Hours Days LS Each Hours Days Days LS Each Hours Days LS Each Each Hours LS Each LS Each Each Each	\$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$750 \$750	Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
VIPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
Vehicle for Field Team	1	Days	\$50	\$50	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	Assume \$50/day for remarcal for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	1	Days	\$135 \$50	\$135 \$50	A
Diagnostic Testing	1	Days	\$50	\$50	Assume \$50/day for rental car
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	1.5 1.5	Days Days	\$135 \$50	\$203 \$75	Lodging and Per diem of \$135/day/person, 1.5 days  Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation		Days	ψ100	Ψ+00	Loughing and Fer diem of \$155/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
					10-hr day
Vehicle for Field Team PID Rental	2.25	Days	\$50	\$113 \$225	Assume \$50/day for rental car for field team
Miscellaneous Materials	2.25	Days LS	\$100 \$500	\$500	
Node Installation	3	Each	\$3,500	\$10,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	150	LF	\$50	\$7,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113 \$911	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
Equipment and Subcontractor		1.0	£4.500	<b>64 500</b>	MILE STATE OF THE
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
	1 20	LS Hours	\$1,500 \$65	\$1,500 \$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
Mobilization and Site Setup		Hours			Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team  PID Rental	20 1 1		\$65 \$50 \$100	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team  PID Rental  Elastomeric Polymer	20 1 1 20	Hours Days Days Tube	\$65 \$50 \$100 \$8	\$1,300 \$50 \$100 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials	20 1 1 20 1	Hours Days Days Tube LS	\$65 \$50 \$100 \$8 \$200	\$1,300 \$50 \$100 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	20 1 1 20 1 2	Days Days Tube LS Days	\$65 \$50 \$100 \$8 \$200 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer  Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight	20 1 1 20 1 2 10	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	20 1 1 20 1 2 10 1	Hours Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight  Vehicle for Oversight	20 1 1 20 1 2 10	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew	20 1 1 20 1 2 10 1	Hours Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team	20 1 1 20 1 2 10 1 1 1 1	Hours Days Days Tube LS Days Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team PID Rental	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5	Hours Days Days Tube LS Days Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days LS LS Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Supplies  Exhaust Sampling	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 1	Hours Days Days Tube LS Days Hours Days Days LS Days Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days LS Days Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Supplies  Exhaust Sampling	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days LS Days Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$350	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$350	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$203 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VMS Installation	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days  Hours Days Days Days Days Days LS Each Hours Days Days LS Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation  Labor - Oversight  Labor - 3-person Crew	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 15 1.5 1.5 1.5 1.5 1	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days Hours Hours LS Each Hours LS Each Hours Hours LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - Oversight Labor - 3-person Crew	20 1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Days LS Days Days Days Days LS Each Hours Days Days Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$1135 \$350 \$136 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation  Labor - Oversight  Labor - 3-person Crew	20 1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 15 1.5 1.5 1.5 1.5 1	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days Hours Hours LS Each Hours LS Each Hours Hours LS Each Hours LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	20 1 1 20 1 1 2 10 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each LS Eac	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Travel and Per Diem for Oversight Vehicle for Oversight  Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight  Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	20 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50  \$1,950 \$75 \$150 \$400 \$3350 \$2,025 \$203 \$75 \$405  \$4,388 \$113 \$225 \$500 \$10,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day  Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	20 1 1 20 1 1 20 1 1 2 10 1 1 1 1 1 1 1	Hours Days Days Hours Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Hours Days LS Each Hours Hours Days Hours Hours Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$4400 \$2,025 \$203 \$75 \$4405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight Vehicle for Oversight  Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Labor - Oversight  Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours LS Each Hours LS Each Hours LS LS Each Hours LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50  \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer  Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Supplies  Exhaust Sampling  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation  Labor - 3-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Materials  Node Installation  Mitigation Fan  Electrician  Piping Installation [4" diameter piping]  Travel and Per Diem for Oversight	20 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours Days LS LS Each Hours Days Days LS LS LS Each Hours Days Days LS LS LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$3350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$150 \$150 \$150 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$1,500 \$750 \$750 \$750 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight  Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight  Labor - 3-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours LS Each Hours LS Each Hours LS LS Each Hours LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50  \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$10,500 \$750 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					1
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	7 to dame \$607 day for formal our for hold to diff
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per persor
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation	00.5		0405	<b>#0.000</b>	1.1. D.1. (
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 d
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	Assume \$50/day for ferital car for field team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Equipment and Subcontractor  Mobilization and Site Setup					Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor	1 10	LS	\$1,500 \$65	\$1,500 \$650	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr c
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	10	Hours Days	\$65 \$50	\$650 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr c
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	10 0.5 0.5 20	Hours Days Days Tube	\$65 \$50 \$100 \$8	\$650 \$25 \$50 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr c
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	10 0.5 0.5 20 1	Days Days Tube	\$65 \$50 \$100 \$8 \$200	\$650 \$25 \$50 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	10 0.5 0.5 20 1	Days Days Tube LS Days	\$65 \$50 \$100 \$8 \$200 \$135	\$650 \$25 \$50 \$160 \$200 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr cassume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	10 0.5 0.5 20 1 1 5	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr cassume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight  Diagnostic Testing	10 0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight Diagnostic Testing	10 0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	10  0.5  0.5  20  1  1  5  0.5  0.5  15	Hours Days Days Tube LS Days Hours Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5	Hours Days Days Tube LS Days Hours Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Days LS Each	\$65 \$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$400 \$350	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1	Hours  Days Days Tube LS Days Hours Days Days Days LS LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$775 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5	Hours  Days Days Tube LS Days Hours Days Days Days Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$775 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  0.75  0.75  1  1  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr; 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr constructions and sealing and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  0.75  1  1  7.5  0.75  0.75  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 0.75 days Labor Rate for 3 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - 3-person Crew	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  7.5  0.75  0.75  1.5  10  30	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days Hours LS Each Hours Days LS Each Hours Hours LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr; 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  1.5  10  30	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days LS Each Hours Days LS Each Hours Days Days Days Days LS Each Hours Days Days Days Days Days Days	\$65 \$50 \$100 \$18 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1.5  10  30  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team.  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day.  Assume \$50/day for rental car.  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person.  Assume \$50/day for rental car for field team.  Exhaust sampling and analysis, including shipping. Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day.  Lodging and Per diem of \$135/day/person, 0.75 days.  Assume \$50/day for rental car.  Lodging and Per diem of \$135/day/person, 0.75 days.  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day.  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day.
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.75  1  1  7.5  0.75  0.75  1.5  10  30  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each LS Ea	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$100 \$400 \$3500 \$500 \$100 \$500	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25  \$975 \$38 \$775 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team.  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day.  Assume \$50/day for rental car.  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person.  Assume \$50/day for rental car for field team.  Exhaust sampling and analysis, including shipping. Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day.  Lodging and Per diem of \$135/day/person, 0.75 days.  Assume \$50/day for rental car.  Lodging and Per diem of \$135/day/person, 0.75 days.  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day.  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day.
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  7.5  0.75  0.75  1.5  10  30  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days LS Each	\$65 \$50 \$100 \$100 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$5135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$775 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 day; hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1.5  10  30  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Each Hours Days Days LS Each LOURS Days Days LS Each Each Each Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$435 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$1	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$3350 \$1,013 \$101 \$338 \$203  \$1,950 \$500 \$3,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day  Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  1  1  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Hours Days Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$100 \$400 \$350 \$135 \$135 \$5135 \$135 \$50 \$100 \$400 \$3500 \$3500 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$775 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$500 \$3,500 \$750 \$450	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4* diameter piping]	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.5	Hours  Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours LS Each LS Each LS Each LF	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3500 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$500 \$3,500 \$750 \$50	\$650 \$25 \$50 \$160 \$220 \$135 \$675 \$668 \$25 \$975 \$38 \$775 \$400 \$330 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$1,000 \$500 \$3,500 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person and the season of the sea
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigcellaneous Materials Node Installation Piping Installation [4" diameter piping] Travel and Per Diem for Oversight Travel and Per Diem for Oversight	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1.5  10  30  1  1  1  1  1  1  3  50  1	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS LS Each Hours LS	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$66 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$3350 \$1,013 \$101 \$101 \$101 \$101 \$1,350 \$1,950 \$350 \$3,500 \$3,500 \$3,500 \$2,500 \$1,35	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 t of piping for each node Lodging and Per diem of \$135/day/person, 1 day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.5	Hours  Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours LS Each LS Each LS Each LF	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3500 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$500 \$3,500 \$750 \$50	\$650 \$25 \$50 \$160 \$220 \$135 \$675 \$668 \$25 \$975 \$38 \$775 \$400 \$330 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$1,000 \$500 \$3,500 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr of Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person and the season of the sea

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
BIDI ENENTATION COOT					
IMPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
	20	Hours	\$65		Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew			·	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1 20	Days Tube	\$100 \$8	\$100 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing				2	
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	1.5 1.5	Days Days	\$50 \$100	\$75 \$150	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1.5	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation	20.5	Harries	£405	<b>#2.020</b>	Labor Data for 4 annual control 6405/har 0.05 days 40 haday
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan Electrician	5	Each	\$750	\$750	
Piping Installation [4" diameter piping]	100	Hours	\$150 \$50	\$750 \$5,000	For installation of mitigation fan Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor  Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·	•	LO	Ψ1,000		
			***		
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
Vehicle for Field Team	20	Days	\$50	\$1,300 \$50	
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$1,300 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer	1 1 20	Days Days Tube	\$50 \$100 \$8	\$1,300 \$50 \$100 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	1 1 20 1	Days Days Tube LS	\$50 \$100 \$8 \$200	\$1,300 \$50 \$100 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	1 1 20 1 2	Days Days Tube LS Days	\$50 \$100 \$8 \$200 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	1 1 20 1 2 10	Days Days Tube LS Days Hours	\$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	1 1 20 1 2 10	Days Days Tube LS Days Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 1 20 1 2 10	Days Days Tube LS Days Hours	\$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	1 1 20 1 2 10	Days Days Tube LS Days Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	1 1 20 1 2 10 1	Days Days Tube LS Days Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	1 1 20 1 2 10 1 1 1 1 30 1.5 1.5	Days Days Tube LS Days Hours Days Days Days Days Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$50 \$50 \$100	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	1 1 20 1 2 10 1 1 1 30 1.5 1.5	Days Days Tube LS Days Hours Days Days Days LS LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	1 1 20 1 2 10 1 1 1 1 30 1.5 1.5	Days Days Tube LS Days Hours Days Days LS Days LS Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 1 20 1 1 2 10 1 1 1 1 30 1.5 1.5 1 1 1	Days Days Tube LS Days Hours Days Days LS Days LS Each Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	1 1 20 1 2 10 1 1 1 1 1 30 1.5 1.5 1 1 1 1 1.5	Days Days Tube LS Days Hours Days Days LS Days Hours Days Days LS Days Days Days LS Each Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team	1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1 1 1 1 1.5	Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Days LS Each Hours Days	\$50 \$100 \$8 \$220 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1950 \$75 \$150 \$350 \$2,025 \$2,023 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	1 1 20 1 2 10 1 1 1 1 1 30 1.5 1.5 1 1 1 1 1.5	Days Days Tube LS Days Hours Days Days LS Days Hours Days Days LS Days Days Days LS Each Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1 1 1 1 1.5	Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Days LS Each Hours Days	\$50 \$100 \$8 \$220 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1950 \$75 \$150 \$350 \$2,025 \$2,023 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	1 1 20 1 2 10 1 1 1 1 30 1.5 1.5 1 1 1 5 1.5 1.5 1.5 1.5 1.5 1.5	Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days Hours Days Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - Oversight	1 1 20 1 2 1 10 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days LS LS LS LS Days LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for 3-person Crew	1 1 20 1 1 2 2 10 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Hours Days Days Days Days Days Days Days Day	\$50 \$100 \$8 \$220 \$135 \$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1 1 20 1 1 2 2 1 10 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days Days Days LS Days Hours Days Days LS Each Hours Days Days LS Days LS Days Days Days Days Days Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$2,025 \$203 \$75 \$405 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1 1 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$100 \$400 \$400 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$2,025 \$203 \$75 \$405 \$350 \$4,388 \$4,388 \$113 \$225 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1 1 20 1 1 2 2 1 10 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days Days Days LS Days Hours Days Days LS Each Hours Days Days LS Days LS Days Days Days Days Days Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$2,025 \$203 \$75 \$405 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 1 20 1 1 2 2 10 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days LS Each Each Each Each	\$50 \$100 \$8 \$220 \$135 \$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$405 \$405 \$405 \$405 \$405 \$405 \$40	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4* diameter piping]	1 1 20 1 1 2 2 10 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days LS Days LS Days Days Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS LS Each Hours LS	\$50 \$100 \$8 \$220 \$135 \$135 \$135 \$50 \$135 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$1,350 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$500 \$500 \$750 \$500 \$750 \$500 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Labor - Oversight Labor - Isla Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1 1 20 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days LS Each Hours Days Bach Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours Days Days LS LS Each LS Each Hours Days Days LS LS Each Hours Days Days LS LS Each Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$135 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$135 \$135 \$150 \$400 \$330 \$2,025 \$203 \$75 \$405 \$330 \$4,388 \$4,388 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$750 \$350 \$350 \$350 \$350 \$350 \$350 \$405 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 1 20 1 1 2 2 10 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days LS Days LS Days Days Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS LS Each Hours LS	\$50 \$100 \$8 \$220 \$135 \$135 \$135 \$50 \$135 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$1,350 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$500 \$500 \$750 \$500 \$750 \$500 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day  Assume \$50/day for rental car for field team  For installation of mitigation fan  Assume 50 ft of piping for each node

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MDI EMENTATION COST					
MPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•			· ·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing  Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	rissams gos/day for formal our for mold tourn
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	1.5	Days	\$50 \$135	\$75 \$405	Assume \$50/day for rental car
VIMS Installation	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials  Node Installation	1 2	LS Each	\$500 \$3,500	\$500 \$7,000	
Mitigation Fan	1	Each	\$750	\$7,000	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	60	Hours	\$65	\$3,900	Labor Rate for 2 person crew at \$65/hr per person; 3-days, 10-hr day
		D	050	0450	
Vehicle for Field Team PID Rental	3	Days Days	\$50 \$100	\$150 \$300	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	6	Days	\$135	\$810	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 3-days, 10-hr day
Travel and Per Diem for Oversight	3	Days	\$135	\$405	
Vehicle for Oversight	3	Days	\$50	\$150	Assume \$50/day for rental car
Diagnostic Testing	40		005	<b>#</b> 0.000	0 1 0 1 40 1 1 40 1 1 40 60 7 7
Labor - 2-person Crew Vehicle for Field Team	40	Hours Days	\$65 \$50	\$2,600 \$100	2 people, 2 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	2	Days	\$100	\$200	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	20	Hours	\$135	\$2,700	Labor Rate for 1 person crew -\$135/hr: 2 days, 10-hr day
Travel and Per Diem for Oversight	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person, 2 days
Vehicle for Oversight	2	Days	\$50	\$100	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor  VIMS Installation	4	Days	\$135	\$540	Lodging and Per diem of \$135/day/person, 2 days
Labor - Oversight	40	Hours	\$135	\$5,400	Labor Rate for 1 person crew -\$135/hr: 4 days, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 4 days, 1
Labor - 3-person Crew	120	Hours	\$65	\$7,800	hr day
Vehicle for Field Team	4	Days	\$50	\$200	Assume \$50/day for rental car for field team
PID Rental	4	Days	\$100	\$400	
Miscellaneous Materials	1	LS	\$500	\$500	
Neda Installation	8	Each	\$3,500	\$28,000	
Node Installation	1 1	Each	\$750	\$750	For installation of mitigation fan
Mitigation Fan		<b>∐</b> 0c			
Mitigation Fan Electrician	8	Hours	\$150 \$50	\$1,200 \$20,000	
Mitigation Fan Electrician Piping Installation [4" diameter piping]	8 400	LF	\$50	\$20,000	Assume 50 ft of piping for each node
Mitigation Fan Electrician	8	LF Days	\$50 \$135	\$20,000 \$540	Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 4 days
Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	8 400 4	LF	\$50	\$20,000	Assume 50 ft of piping for each node

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IN ENERGY ATION COOT					
MPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer	20	Tube	\$8 \$200	\$160 \$200	
Misc Materials Travel and Per Diem for Subcontractor	2	Days	\$200 \$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	1.5 1.5	Days Days	\$50 \$100	\$75 \$150	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1.5	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
VIMS Installation			2		
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	7.654me \$66/day for femal our for held team
Miscellaneous Materials	1	LŚ	\$500	\$500	
Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]  Travel and Per Diem for Oversight	100 2.25	LF Days	\$50 \$135	\$5,000 \$304	Assume 50 ft of piping for each node  Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor		1.0	£4.500	£4 500	Mark Street and will be a combined whose provided
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
DID Destal			\$100		
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer	1 20	Tube	\$8	\$160	
Elastomeric Polymer Misc Materials	20	Tube LS	\$8 \$200	\$160 \$200	
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	20 1 2	Tube LS Days	\$8 \$200 \$135	\$160 \$200 \$270	Lodging and Per diem of \$135/day/person
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	20 1 2 10	Tube LS Days Hours	\$8 \$200 \$135 \$135	\$160 \$200 \$270 \$1,350	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	20 1 2 10 1	Tube LS Days Hours Days	\$8 \$200 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	20 1 2 10	Tube LS Days Hours	\$8 \$200 \$135 \$135	\$160 \$200 \$270 \$1,350	
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	20 1 2 10 1	Tube LS Days Hours Days	\$8 \$200 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	20 1 2 10 1 1	Tube LS Days Hours Days Days Days Days	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	20 1 2 10 1 1 1 30 1.5 1.5	Tube LS Days Hours Days Days Days Days Hours Days Days	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	20 1 2 10 1 1 1 30 1.5 1.5	Tube LS Days Hours Days Days Days Hours LS Days LS	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	20 1 2 10 1 1 1 30 1.5 1.5	Tube LS Days Hours Days Days Hours Days LS Each	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$4400 \$350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	20 1 2 10 1 1 1 30 1.5 1.5 1	Tube LS Days Hours Days Days LS Days LS Each	\$8 \$200 \$135 \$135 \$135 \$50 \$50 \$50 \$100 \$400 \$350 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1	Tube LS Days Hours Days Days LS Each Hours Days	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day  Lodging and Per diem of \$135/day/person, 1.5 days
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$65 \$100 \$400 \$350 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1	Tube LS Days Hours Days Days LS Each Hours Days	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day  Lodging and Per diem of \$135/day/person, 1.5 days
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tube LS Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$65 \$100 \$400 \$350 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1 5 1.5 1.5 1.5 1.5 1.5	Tube LS Days Hours Days Days Days LS Each Hours Days Days	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 15 1.5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days Days Hours Days Days Hours	\$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days, 25 days
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	20 1 2 10 1 1 1 30 1.5 1.5 1.5 1.5 1.5 3 2.5 67.5	Tube LS Days Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$66 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405 \$330 \$3,038 \$4,388 \$113 \$225	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per persor Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day-10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	20 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 22.5 67.5 2.25 1	Tube LS Days Hours Days Days Hours Days LS Each Hours Days Hours Days LS Each Hours Days Days LS Each LS Each LS Days Days LS	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per persor Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 d 10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	20 1 2 10 1 1 1 1 30 1.5 1.5 1 15 1.5 2.25 2.25 1 1 2	Tube LS Days Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days Days LS Each LS Each LS Each LS Each LS Each LS Each Each Each Each Each Each Each Each	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per persor Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 d 10-hr day
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	20 1 2 10 10 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 2.25 2.25 1 2 1	Tube LS Days Hours Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$330 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per persor Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 d: 10-hr day  Assume \$50/day for rental car for field team
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	20 1 2 10 1 1 1 1 1 30 1.5 1.5 1.5 1.5 2.25 67.5 2.25 1 2 1 1 5	Tube LS Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours Days LS Each Hours Hours Hours Days LS Each Hours	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per persor Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days, 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 2.25 67.5 2.25 1 2 1 5 100	Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days LS Each Hours LS LS Each Hours LS	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$400 \$350 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$500 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 dayon-day day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Hitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	20 1 2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 2.25 2.25 1 2 1 5 100 2.25	Tube LS Days Hours Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$330 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$750 \$304	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days. Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 2.25 67.5 2.25 1 2 1 5 100	Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days LS Each Hours LS LS Each Hours LS	\$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$400 \$350 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$500 \$750	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IPLEMENTATION COST					
IFLEIMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•			·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	7 ISSUME 4007 day for femal car for field team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	1.5	Days Days	\$50 \$135	\$75 \$405	Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation	3	Days	\$135	<b>\$405</b>	Lodging and Per diem or \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials Node Installation	1 2	LS Each	\$500 \$3,500	\$500 \$7,000	
Mitigation Fan	1	Each	\$3,500	\$7,000	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	100	LF	\$50	\$5,000	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Sealing Equipment and Subcontractor					
	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Equipment and Subcontractor Mobilization and Site Setup					Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	20	Hours Days	\$65 \$50	\$1,300 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team  PID Rental	20 1 1	Hours Days Days	\$65 \$50 \$100	\$1,300 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer	20 1 1 20	Hours Days Days Tube	\$65 \$50 \$100 \$8	\$1,300 \$50 \$100 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	20 1 1	Hours Days Days	\$65 \$50 \$100	\$1,300 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer	20 1 1 20 1	Hours Days Days Tube LS	\$65 \$50 \$100 \$8 \$200	\$1,300 \$50 \$100 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	20 1 1 20 1 2 10 1	Hours Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight  Travel and Per Diem for Oversight  Vehicle for Oversight	20 1 1 20 1 2 1 2	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	20 1 1 20 1 2 10 1 1	Hours Days Days Tube LS Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	20 1 1 20 1 2 10 1 1 1	Hours Days Days Tube LS Days Hours Days Hours Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$50	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$50	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days LS LS LS LS LS LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	20 1 1 1 20 1 1 20 1 1 2 10 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$277 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$2,025 \$2,025 \$2,03	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	20 1 1 1 20 1 1 20 1 1 2 10 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$277 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	20 1 1 20 1 2 10 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Bays LS Each Hours Days Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 15 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team Vehicle for Field Team	20 1 1 20 1 2 10 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days LS Bays LS Each Hours Days Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$75 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - O-spersight Labor - 3-person Crew Vehicle for Field Team PID Rental	20 1 1 1 20 1 1 20 1 1 2 10 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$65 \$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$50 \$65 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$75 \$150 \$400 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Wehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Use for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	20 1 1 1 20 1 1 20 10 1 1 1 2 10 10 1 1 1 1	Hours Days Days Hours Days Hours Days Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 2.25 2.25 1 1 2	Hours Days Days Tube LS Days Hours Days Days LS Days Hours Days Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50 \$65 \$50 \$1400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$500 \$500	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel end Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	20 1 1 1 20 1 1 20 1 1 2 10 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$2,025 \$2,025 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day  Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	20 1 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 1	Hours Days Days Hours Days Hours Days Hours Days LS Each Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,5	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day  Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 30 1.5 1.5 1.5 1.5 1.5 2.25 2.25 1 2 1 2 1 5 100	Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50 \$65 \$50 \$1400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$500 \$500 \$5500 \$3,500 \$750 \$150 \$550	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,025 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$750 \$750 \$750 \$750 \$750 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	20 1 1 1 20 1 1 20 10 1 1 1 1 1 1 1 1 1	Hours Days Days Hours Days Hours Days Hours Days LS Each Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$7,000 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,500 \$7,5	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day 10-hr day Assume \$50/day for rental car for field team

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IPLEMENTATION COST					
IFLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•			·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	A
Vehicle for Oversight  Diagnostic Testing	1	Days	\$50	\$50	Assume \$50/day for rental car
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1 45	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight Travel and Per Diem for Oversight	15 1.5	Hours Days	\$135 \$135	\$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation					
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da
Vehicle for Field Team	2.25	Days	\$50	\$113	10-hr day  Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	Assume \$50/day for rental car for field team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]  Travel and Per Diem for Oversight	100 2.25	LF	\$50 \$135	\$5,000 \$304	Assume 50 ft of piping for each node  Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor	1	19	\$1 500	\$1 500	Mobilizations will be combined where practical
Equipment and Subcontractor Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing, utility penetrations; Average
Equipment and Subcontractor	1 20	LS Hours	\$1,500 \$65	\$1,500 \$1,300	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	20	Hours Days	\$65 \$50	\$1,300 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team  PID Rental	20 1 1	Hours Days Days	\$65 \$50 \$100	\$1,300 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer	20 1 1 20	Hours Days Days Tube	\$65 \$50 \$100 \$8	\$1,300 \$50 \$100 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	20 1 1 20 1	Hours Days Days Tube LS	\$65 \$50 \$100 \$8 \$200	\$1,300 \$50 \$100 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor	20 1 1 20 1 2	Days Days Tube LS Days	\$65 \$50 \$100 \$8 \$200 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	20 1 1 20 1	Hours Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200	\$1,300 \$50 \$100 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor	20 1 1 20 1 2 1 2	Days Days Tube LS Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	20 1 1 20 1 2 10 1 1	Hours Days Days Tube LS Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	20 1 1 20 1 2 10 1 1 1	Hours Days Days Tube LS Days Hours Days Hours Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	20 1 1 1 20 1 1 2 10 1 1 1 1 1 30 15	Hours Days Days Tube LS Days Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	20 1 1 1 20 1 2 10 10 1 1 1 30 1.5	Hours Days Days Tube LS Days Hours Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	20 1 1 20 1 2 10 1 1 30 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days Days LS Days LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1	Hours Days Days Tube LS Days Hours Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	20 1 1 20 1 2 10 1 1 30 1.5 1.5	Hours Days Days Tube LS Days Hours Days Days Days Days LS Days LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	20 1 1 1 20 1 1 2 10 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$135 \$50	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$2,025 \$2,025 \$2,03	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies	20 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car 2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	20 1 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr; 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	20 1 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1 1 1 1 2 2 10 10 10 10 10 10 10 10 10 10	Hours Days Days Tube LS Days Hours Days Days LS Bays LS Each Hours Days Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	20 1 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	20 1 1 1 20 1 2 10 1 1 1 30 1.5 1.5 1 1 1 1 1 1 1 1 2 2 10 10 10 10 10 10 10 10 10 10	Hours Days Days Tube LS Days Hours Days Days LS Bays LS Each Hours Days Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - O-spersight Labor - 3-person Crew Vehicle for Field Team PID Rental Labor - 3-person Crew	20 1 1 1 20 1 1 2 10 2 10 1 1 1 1 30 1.5 1.5 1 1 15 1.5 1.5 1 5 67.5	Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$65 \$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$50 \$65 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$4,388	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr. 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr. 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days Labor Rate for 1 person crew -\$135/hr. 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	20 1 1 1 2 1 2 10 1 1 2 10 1 1 1 1 1 1 1	Hours Days Days Hours Days Hours Days Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	20 1 1 1 20 1 2 10 1 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 2.25 2.25 2.25 1 1 1	Hours Days Days Tube LS Days Hours Days Days LS Days Hours Days Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$500 \$500	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$440 \$350 \$2,025 \$2,025 \$2,023 \$75 \$405	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Supplies Supplies Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	20 1 1 1 20 1 1 2 10 10 1 1 1 1 1 1 1 1	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$1,300 \$50 \$100 \$160 \$200 \$270 \$1,350 \$1,350 \$75 \$150 \$400 \$350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day  Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	20 1 1 1 2 1 2 10 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 2.5 1 1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	Hours Days Days Hours Days Hours Days Hours Days LS Each Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$3350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr; 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr; 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day  Assume \$50/day for rental car for field team  For installation of mitigation fan
Equipment and Subcontractor Mobilization and Site Setup Labor - 2-person Crew Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	20 1 1 1 20 1 1 2 10 1 1 1 1 1 30 1.5 1.5 1.5 1.5 2.25 2.25 2.25 1 1 1 1 5 5 50	Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS	\$65 \$50 \$100 \$8 \$200 \$1135 \$135 \$135 \$135 \$50 \$65 \$50 \$1400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$500 \$500 \$5500 \$3,500 \$750 \$150 \$550	\$1,300 \$50 \$100 \$160 \$200 \$220 \$270 \$1,350 \$135 \$50  \$1,950 \$75 \$150 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$3,500 \$750 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$0 ft of piping for each node
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	20 1 1 1 2 1 2 10 2 10 1 1 1 1 30 1.5 1.5 1.5 1.5 2.5 1 1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	Hours Days Days Hours Days Hours Days Hours Days LS Each Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135	\$1,300 \$50 \$100 \$160 \$220 \$270 \$1,350 \$135 \$50 \$1,950 \$75 \$150 \$400 \$3350 \$2,025 \$203 \$75 \$405 \$3,038 \$4,388 \$113 \$225 \$500 \$3,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Assume \$50/day for rental car  2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days  Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 da 10-hr day  Assume \$50/day for rental car for field team

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IPLEMENTATION COST					
IPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials  Travel and Per Diem for Subcontractor	1	LS Days	\$200 \$135	\$200 \$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Nate for 1 person crew -\$155/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing		1	• • • • • • • • • • • • • • • • • • • •		
	15	Houre	¢c∈	¢075	2 people 0.75 days 10 br days Average labor rate \$65/br per person
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	0.75 0.75	Days Days	\$135 \$50	\$101 \$38	Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$38 \$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.5	Days	ψ133	Ψ203	Loughly and 1 et dieth of \$155/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135 \$50	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	3	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr c
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	Lodging and Per diem of \$135/day/person
Travel and Per Diem for Subcontractor  Labor - Oversight	5	Days Hours	\$135 \$135	\$135 \$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Rate for 1 person crew -\$155/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing	0.5	Days	ΨΟΟ	ΨΖΟ	Assume 400/day for rental cal
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	40	D	6405	¢4.050	Labor Data for 4 paragraphs (A405/km 4 1 401 11)
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	Assume \$50/day for rental car for field team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
	1	Days	\$50	\$50	Assume \$50/day for rental car
Vehicle for Oversight					
Vehicle for Oversight  Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IDI EMENTATION COST					
IPLEMENTATION COST	_	1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr days to the control of the control o
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials Travel and Per Diem for Subcontractor	1	LS Days	\$200 \$135	\$200 \$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Nate for 1 person crew - \$\psi 100/\text{fill. 0.5 day, 10-111 day}
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing		- ,	*		
	15	Hours	¢c.	<b>PO7</b> E	2 page 0.75 days 10 br days Average labor rate \$65/br per pers
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1 7.5	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135 \$50	\$101 \$20	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$50 \$135	\$38 \$203	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.5	Days	\$133	φ203	Loughly and Fer dem of \$133/day/person, 0.73 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	3	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr c
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	Lodging and Per diem of \$135/day/person
Travel and Per Diem for Subcontractor  Labor - Oversight	5	Days Hours	\$135 \$135	\$135 \$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Rate for 1 person crew -\$135/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing	0.5	Days	ψου	ΨΣΟ	Assume 400/day for femalical
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	10	111.	0405	£4.050	Labor Date for A account many 6405% of the 40 to 1
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Vehicle for Field Team	1	Days	\$50	\$50	hr day Assume \$50/day for rental car for field team
PID Rental	1	Days	\$50 \$100	\$50 \$100	мээшне фориау юнтенкансан юнтена театт
Miscellaneous Materials	1	LS	\$100 \$500	\$100 \$500	+
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750 \$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
					Assume \$50/day for rental car
	1	Davs	200	<b>ຈ</b> ວບ	
Vehicle for Oversight Travel and Per Diem for Subcontractor	3	Days Days	\$50 \$135	\$50 \$405	Lodging and Per diem of \$135/day/person, 1 day

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MADI EMENTATION COST					
MPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials Travel and Per Diam for Subsentractor	1	LS	\$200	\$200	Ladaina and Bardiana of \$405/day/aaraa
Travel and Per Diem for Subcontractor  Labor - Oversight	5	Days Hours	\$135 \$135	\$135 \$675	Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Nate for 1 person crew -\$155/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing		- ,	*		
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor  VIMS Installation	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500 \$135	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight  Vehicle for Oversight	1	Days Days	\$135 \$50	\$50	Lodging and Per diem of \$135/day/person, 1 day  Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8 \$200	\$160 \$200	
Misc Materials Travel and Per Diem for Subcontractor	1	Days	\$200 \$135	\$200 \$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Rate for 1 person crew -\$155/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Davs	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	40		0405	04.050	1. I. D. 1. (
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation Mitigation Fan	1	Each Each	\$3,500 \$750	\$3,500 \$750	
Electrician	3	Hours	\$150 \$150	\$450	For installation of mitigation fan
		LF	\$50	\$2,500	Assume 50 ft of piping for each node
	50		ΨUU	Ψ=,000	processes so it or piping for each node
Piping Installation [4" diameter piping]	50		\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
		Days	\$135 \$50	\$135 \$50	Lodging and Per diem of \$135/day/person, 1 day  Assume \$50/day for rental car
Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1			\$135 \$50 \$405	

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
ADI EMENTATION COOT					
MPLEMENTATION COST	_				
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials Travel and Per Diem for Subcontractor	1	LS	\$200	\$200	Ladaian and Dandinos of 6425/day/annan
Labor - Oversight	5	Days Hours	\$135 \$135	\$135 \$675	Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Nate for 1 person crew - \$\psi 100/\text{fill: 0.0 day, 10-\text{fill day}}
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing		- , -	,		
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$50 \$135	\$38 \$203	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.5	Days	\$133	\$203	Loughly and Fer dienror \$133/day/person, 0.73 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
			·		hr day
Vehicle for Field Team PID Rental	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
Miscellaneous Materials	1 1	Days LS	\$100 \$500	\$100 \$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor	1	18	\$1.500	\$1.500	Mobilizations will be combined where practical
Equipment and Subcontractor  Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor	1 10	LS Hours	\$1,500 \$65	\$1,500 \$650	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	10	Hours Days	\$65 \$50	\$650 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	0.5 0.5 20	Hours  Days Days Tube	\$65 \$50 \$100 \$8	\$650 \$25 \$50 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials	10 0.5 0.5 20 1	Hours  Days Days Tube LS	\$65 \$50 \$100 \$8 \$200	\$650 \$25 \$50 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	10 0.5 0.5 20 1	Days Days Tube LS Days	\$65 \$50 \$100 \$8 \$200 \$135	\$650 \$25 \$50 \$160 \$200 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	10 0.5 0.5 20 1 1 5 0.5 0.5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  15  0.75	Hours Days Days Tube LS Days Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	10 0.5 0.5 20 1 1 5 0.5 0.5 15	Hours Days Days Tube LS Days Hours Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.5	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  17  1	Hours  Days Days Tube LS Days Hours Days Days Days LS  LS	\$65 \$50 \$100 \$18 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$668 \$25 \$975 \$38 \$75 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$3350 \$135 \$135 \$550	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$3101 \$338	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 14-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 0.75 0.75 0.75 1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Days Days Days Days Days Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3350 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - Oversight	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.75 0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Hours Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 0.75 0.75 1.5 1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Hours Days Hours Hours Days Hours Days Hours Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65  \$50 \$100 \$400 \$3350 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  7.5  0.75  0.75  1.5  10  30	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$100 \$440 \$3350 \$135 \$135 \$550 \$135 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135 \$550 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental	10  0.5 0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 1.5 10 30 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$400 \$400 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,950 \$1,950 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each LS Ea	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$3360 \$1335 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10  0.5 0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 1.5 10 30 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days LS Days LS Days Days LS Days LS Days LS Days Days Days Days Days Days LS Each Hours Days Days Days Each Hours Days Days Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$165 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$50 \$1,050 \$350 \$1,050 \$350 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  7.5  0.75  0.75  1.5  10  30  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each LS Ea	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$3360 \$1335 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Miscellaneous Materials Node Installation Mitigation Fan	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1.5 0.75 1.1 10 30 1 1 1 1 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days LS Each Each Each Each	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$100 \$400 \$3500 \$100 \$500 \$500 \$550 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$336 \$1,013 \$101 \$338 \$203  \$1,950 \$500 \$3,500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1.5  10  30  1  1  1  1  1  1  3  50  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$66 \$50 \$100 \$400 \$350 \$135 \$135 \$50  \$135 \$135 \$50  \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$1,013 \$101 \$38 \$203  \$1,950 \$5,00 \$5,00 \$3,500 \$3,500 \$4,500 \$4,500 \$4,500 \$4,500 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  0.75  0.75  0.75  1.5  10  30  1  1  1  1  1  1  3  50	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Days Days LS Days LS Each Hours Days LS Each Hours Days LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$100 \$440 \$3350 \$135 \$135 \$550 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$50 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IDI EMENTATION COST					
IPLEMENTATION COST	_	1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr days to the control of the control o
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials Travel and Per Diem for Subcontractor	1	LS Days	\$200 \$135	\$200 \$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Nate for 1 person crew - \$\psi 100/\text{fill. 0.5 day, 10-111 day}
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing		- ,	*		
	15	Hours	¢c.	<b>PO7</b> E	2 page 0.75 days 10 br days Average labor rate \$65/br per pers
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1 7.5	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135 \$50	\$101 \$20	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight  Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$50 \$135	\$38 \$203	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.5	Days	\$133	φ203	Loughly and Fer dem of \$133/day/person, 0.73 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	3	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr c
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	Lodging and Per diem of \$135/day/person
Travel and Per Diem for Subcontractor  Labor - Oversight	5	Days Hours	\$135 \$135	\$135 \$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Rate for 1 person crew -\$135/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing	0.5	Days	ψου	ΨΣΟ	Assume 400/day for femalical
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	10	111.	0405	£4.050	Labor Date for A account many 6405% of the 40 to 1
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Vehicle for Field Team	1	Days	\$50	\$50	hr day Assume \$50/day for rental car for field team
PID Rental	1	Days	\$50 \$100	\$50 \$100	мээшне фориау юнтенкансан юнтена театт
Miscellaneous Materials	1	LS	\$100 \$500	\$100 \$500	+
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750 \$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
					Assume \$50/day for rental car
	1	Davs	200	<b>ຈ</b> ວບ	
Vehicle for Oversight Travel and Per Diem for Subcontractor	3	Days Days	\$50 \$135	\$50 \$405	Lodging and Per diem of \$135/day/person, 1 day

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IPLEMENTATION COST					
IPLEMENTATION COST			-		
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials Travel and Per Diem for Subcontractor	1	LS Days	\$200 \$135	\$200 \$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Nate for 1 person crew -\$155/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing		.,.	• • • • • • • • • • • • • • • • • • • •		
	15	Hours	¢c-	<b>PO7</b> E	2 people 0.75 days 10 br days Average labor rate \$65/br per person
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1 7.5	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135 \$135	\$1,013 \$101	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days
Travel and Per Diem for Oversight  Vehicle for Oversight	0.75 0.75	Days Days	\$135 \$50	\$101 \$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.5	Days	ψ100	Ψ203	Loughly and 1 et dieth of \$155/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
· · · · · · · · · · · · · · · · · · ·					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]  Travel and Per Diem for Oversight	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node  Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days Days	\$135 \$50	\$135 \$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Travel and 1 of Biomici Cabbonitation	- ŭ	Dayo	ψ.σσ	<b>ψ.00</b>	Esaging and tot dismot \$100,000,750,000,11 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr c
Maria Carriaga	0.5		<b>#</b> 50	605	
Vehicle for Field Team PID Rental	0.5 0.5	Days Days	\$50 \$100	\$25 \$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso
Labor - 2-person Grew			*		
	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
Vehicle for Field Team			\$100		
PID Rental	0.75	Days		\$75	
PID Rental Miscellaneous Supplies	0.75 1	LS	\$400	\$400	
PID Rental Miscellaneous Supplies Exhaust Sampling	0.75 1 1	LS Each	\$400 \$350	\$400 \$350	Exhaust sampling and analysis, including shipping
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	0.75 1 1 7.5	LS Each Hours	\$400 \$350 \$135	\$400 \$350 \$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	0.75 1 1 7.5 0.75	LS Each Hours Days	\$400 \$350 \$135 \$135	\$400 \$350 \$1,013 \$101	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	0.75 1 1 7.5 0.75 0.75	LS Each Hours Days Days	\$400 \$350 \$135 \$135 \$50	\$400 \$350 \$1,013 \$101 \$38	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75 1 1 7.5 0.75	LS Each Hours Days	\$400 \$350 \$135 \$135	\$400 \$350 \$1,013 \$101	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	0.75 1 1 7.5 0.75 0.75	LS Each Hours Days Days	\$400 \$350 \$135 \$135 \$50	\$400 \$350 \$1,013 \$101 \$38	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	0.75 1 1 7.5 0.75 0.75 1.5	LS Each Hours Days Days Days Hours	\$400 \$350 \$135 \$135 \$50 \$135	\$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew	0.75 1 1 7.5 0.75 0.75 1.5	LS Each Hours Days Days Days	\$400 \$350 \$135 \$135 \$50 \$135 \$135 \$135	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	0.75 1 1 7.5 0.75 0.75 1.5	LS Each Hours Days Days Days Hours	\$400 \$350 \$135 \$135 \$50 \$135	\$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	0.75 1 1 7.5 0.75 0.75 1.5	LS Each Hours Days Days Days Hours Hours Days	\$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$65 \$65 \$50 \$100	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1	LS Each Hours Days Days Days Hours Hours LS Days	\$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$65 \$50 \$100 \$500	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
PID Rental  Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1	LS Each Hours Days Days Days Hours Hours LS Each	\$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$65 \$50 \$500 \$500 \$3,500	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$500 \$3,500	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 1	LS Each Hours Days Days Days Hours Hours LS Each Each	\$400 \$350 \$135 \$135 \$50 \$135 \$65 \$65 \$50 \$100 \$500 \$3,500 \$750	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mittgation Fan Electrician	0.75 1 1 7.5 0.75 1.5 10 30 1 1 1 1 1 1 1 1 1 3	LS Each Hours Days Days Days Hours Hours LS Each Each Hours	\$400 \$350 \$135 \$135 \$50 \$135 \$135 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750 \$150	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750 \$450	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 3 50	LS Each Hours Days Days Days Hours Hours LS Each Hours LS Each Hours	\$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$65 \$50 \$500 \$500 \$3,500 \$750 \$150 \$50	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$500 \$3,500 \$3,500 \$750 \$450 \$2,500	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 3 50 1	LS Each Hours Days Days Days Days Hours Hours LS Each Each Hours LS Each Hours	\$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$65 \$50 \$100 \$500 \$3,500 \$750 \$150 \$50 \$150	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750 \$450 \$2,500 \$135	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day
PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 3 50	LS Each Hours Days Days Days Hours Hours LS Each Hours LS Each Hours	\$400 \$350 \$135 \$135 \$50 \$135 \$135 \$65 \$65 \$50 \$500 \$500 \$3,500 \$750 \$150 \$50	\$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$500 \$3,500 \$3,500 \$750 \$450 \$2,500	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
MIFLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Valida for Field Table	0.5	Dave	\$50	¢0E	
Vehicle for Field Team PID Rental	0.5	Days Days	\$100	\$25 \$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$50 \$135	\$38 \$203	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.5	Days	φιου	\$203	Loughly and Fer diem of \$133/day/person, 0.73 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
-					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation Mitigation Fan	1	Each Each	\$3,500 \$750	\$3,500 \$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	7 ISSUME 4007 day for formal car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	A 050/1. ( 1.1
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135 \$50	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$135	\$38 \$203	Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.0	Days	Ψ100	ΨΣΟΟ	Loughly and their dient of \$155/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
•					hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental Miscellaneous Materials	1	Days	\$100 \$500	\$100 \$500	
Miscellaneous Materials  Node Installation	1	LS	\$500 \$3,500	\$500 \$3,500	
Mitigation Fan	1	Each Each	\$3,500 \$750	\$3,500 \$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
FIDING INSTAILATION 14 GIAMETER DIDING!					Lodging and Per diem of \$135/day/person, 1 day
Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1	Days	\$135	\$135	Louging and Fer diem of \$135/day/person, 1 day
	1	Days Days	\$135 \$50	\$135 \$50	Assume \$50/day for rental car
Travel and Per Diem for Oversight					

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IDI EMENTATION COCT					
IPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	Ladaia a and Dan diana of 6405 (day) (annua
Travel and Per Diem for Subcontractor  Labor - Oversight	5	Days Hours	\$135 \$135	\$135 \$675	Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Rate for 1 person crew -\$135/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing		- , .	*	• • • • • • • • • • • • • • • • • • • •	
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor  VIMS Installation	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
		Hours			Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight  Vehicle for Oversight	1	Days Days	\$135 \$50	\$135 \$50	Lodging and Per diem of \$135/day/person, 1 day  Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Sealing Equipment and Subcontractor					
Equipment and Subcontractor	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
	1 10	LS	\$1,500 \$65	\$1,500 \$650	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	10	Hours Days	\$65 \$50	\$650 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	0.5 0.5 20	Hours  Days Days Tube	\$65 \$50 \$100 \$8	\$650 \$25 \$50 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	10 0.5 0.5 20 1	Hours  Days Days Tube LS	\$65 \$50 \$100 \$8 \$200	\$650 \$25 \$50 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr datassume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer  Misc Materials Travel and Per Diem for Subcontractor	10 0.5 0.5 20 1	Days Days Tube LS Days	\$65 \$50 \$100 \$8 \$200 \$135	\$650 \$25 \$50 \$160 \$200 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr datassume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer  Misc Materials Travel and Per Diem for Subcontractor	10 0.5 0.5 20 1	Days Days Tube LS Days	\$65 \$50 \$100 \$8 \$200 \$135	\$650 \$25 \$50 \$160 \$200 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5 0.5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing	10 0.5 0.5 20 1 1 5 0.5 0.5	Hours  Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Vehicle for Oversight  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5 20 1 1 5 0.5 0.5 15	Hours Days Days Tube LS Days Hours Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  17	Hours  Days Days Tube LS Days Hours Days Days Days LS  LS	\$65 \$50 \$100 \$135 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1	Hours  Days Days Tube LS Days Hours Days Days LS LS LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$65 \$400 \$350	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5	Hours  Days Days Tube LS Days Hours Days Days LS Days Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$18 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$18 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Gversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.75 0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Days Days Days Days Days Days Days Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65  \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 0.75 0.75 1.5 1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Hours Days Hours Hours Days Hours Days Hours Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65  \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car feield team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Probem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  17  1  7.5  0.75  0.75  1.5  10  30	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental August	10  0.5 0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 1.5 10 30 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$1100 \$4400 \$435 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$1	\$650 \$25 \$50 \$160 \$2200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,950 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1.5 0.75 0.75 1.5 1.0 30 1 1 1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each LS Ea	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$5135 \$5135 \$50 \$1135 \$50 \$1135 \$50 \$1135 \$50 \$1135 \$50 \$1135 \$50 \$1135 \$50 \$50 \$50 \$500 \$500	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per persor Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental August	10  0.5 0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 1.5 10 30 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$1100 \$4400 \$435 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$1	\$650 \$25 \$50 \$160 \$2200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,950 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.5	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days LS Days LS Each Hours Days Days Each Hours Each Hours Days Days Each Hours Each Hours Days Days Each Hours Days Each Each Each Each Each Each Each Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$50 \$1,050 \$50 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Abor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1  1  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days LS Each Hours Days Days LS Each Each Each Each	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$336 \$1,013 \$101 \$338 \$203  \$1,350 \$1,950 \$500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1  1  1  1  1  1  1  1  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$775 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$500 \$500 \$3,500 \$755	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  1  30  1  1  1  1  1  1  3  50	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Days Days LS Days LS Each Hours Days LS Each Hours Days LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$66 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$50 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day  Assume \$50/day for rental car for field team  For installation of mitigation fan  Assume \$50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MDI EMENTATION COST					
MPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
		_	4		
Vehicle for Field Team PID Rental	0.5 0.5	Days	\$50 \$100	\$25 \$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Days Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	11	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	0.75	Days	\$135 \$50	\$101	Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$135	\$38 \$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.0	Days	ψ100	ΨΣΟΟ	Estagning and 1 of dieni of \$100/day/person, 0.70 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1
					hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental Miscellaneous Materials	1	Days LS	\$100 \$500	\$100 \$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight Travel and Per Diem for Oversight	5	Hours	\$135 \$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Vehicle for Oversight	0.5 0.5	Days Days	\$135	\$68 \$25	Assume \$50/day for rental car
Diagnostic Testing	0.5	Days	ΨΟΟ	ΨΖΟ	Assume 400/day for rental car
	45	11	ФCГ.	<b>PO7</b> E	0
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400 \$350	\$400	
Exhaust Sampling Labor - Oversight	7.5	Each Hours	\$350 \$135	\$350 \$1,013	Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation					
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Vehicle for Field Team	1	Days	\$50	\$50	hr day Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$50 \$100	Produtite \$30/day for retital car for field team
Miscellaneous Materials	1	LS	\$500	\$500	+
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
			CEU.	\$50	Assume \$50/day for rental car
Vehicle for Oversight Travel and Per Diem for Subcontractor	3	Days Days	\$50 \$135	\$405	Lodging and Per diem of \$135/day/person, 1 day

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MDI EMENTATION COST					
MPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
		_		***	
Vehicle for Field Team PID Rental	0.5 0.5	Days	\$50 \$100	\$25 \$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Days Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1 7.5	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013 \$101	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135 \$50	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$50 \$135	\$38 \$203	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.0	Days	ψ100	Ψ203	Loughing and their dieth of \$155/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
					hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials Node Installation	1	LS Each	\$500 \$3,500	\$500 \$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	Assume \$50/day for femalical for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135 \$425	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	0.75 0.75	Days Days	\$135 \$50	\$101 \$38	Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation		Dayo	<b>\$100</b>	<b>\$200</b>	Eddging and 1 or diem or \$100/day/person; 0.70 days
		Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - Oversight	10				Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
-			\$65		
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Labor - 3-person Crew  Vehicle for Field Team	30 1	Hours Days	\$50	\$50	hr day Assume \$50/day for rental car for field team
Labor - 3-person Crew Vehicle for Field Team PID Rental	30 1 1	Hours Days Days	\$50 \$100	\$50 \$100	
Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials	30 1 1 1	Hours Days Days LS	\$50 \$100 \$500	\$50 \$100 \$500	
Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	30 1 1 1 1	Hours Days Days LS Each	\$50 \$100 \$500 \$3,500	\$50 \$100 \$500 \$3,500	
Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	30 1 1 1 1 1	Hours Days Days LS Each Each	\$50 \$100 \$500 \$3,500 \$750	\$50 \$100 \$500 \$3,500 \$750	Assume \$50/day for rental car for field team
Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	30 1 1 1 1	Hours Days Days LS Each	\$50 \$100 \$500 \$3,500	\$50 \$100 \$500 \$3,500	Assume \$50/day for rental car for field team  For installation of mitigation fan
Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	30 1 1 1 1 1 1 3	Hours Days Days LS Each Each Hours	\$50 \$100 \$500 \$3,500 \$750 \$150	\$50 \$100 \$500 \$3,500 \$750 \$450	Assume \$50/day for rental car for field team
Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	30 1 1 1 1 1 1 1 3 50	Hours Days Days LS Each Each Hours	\$50 \$100 \$500 \$3,500 \$750 \$150 \$50	\$50 \$100 \$500 \$3,500 \$750 \$450 \$2,500	Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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Item/Activity	Qty	Unit	<b>Unit Cost</b>	Cost	Notes & Comments
IMPLEMENTATION COST					
INIT ELIMENTATION 3001					
Sealing					
Equipment and Subcontractor	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Mobilization and Site Setup	'	LO	\$1,500	\$1,500	·
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer	0.5 20	Days Tube	\$100 \$8	\$50 \$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight  Diagnostic Testing	0.5	Days	\$50	\$25	Assume \$50/day for rental car
	15	Houre	¢c=	¢075	2 people 0.75 days 40 hr days Average labor rate \$65/hr per person
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	0.75 0.75	Days Days	\$50 \$100	\$38 \$75	Assume \$50/day for rental car for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor  VIMS Installation	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials Node Installation	1	LS Each	\$500 \$3,500	\$500 \$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight Travel and Per Diem for Subcontractor	3	Days Days	\$50 \$135	\$50 \$405	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1 day
Traver and Fer Diem for Subcontractor		Days	ψ133	Ψ-03	Loughly and the defit of \$155/day/person, inday
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
William Confidence	0.5	-	<b>#50</b>	#0F	
Vehicle for Field Team PID Rental	0.5 0.5	Days Days	\$50 \$100	\$25 \$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	0.5 0.5	Days	\$135	\$68	Accume \$50/day for rental car
Diagnostic Testing	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
	0.75	Days	\$100	\$75	, assume quorday for formal our for field team
PID Rental					
PID Rental Miscellaneous Supplies	1	LS	\$400	\$400	
Miscellaneous Supplies Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 1 7.5	Each Hours	\$350 \$135	\$350 \$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	1 1 7.5 0.75	Each Hours Days	\$350 \$135 \$135	\$350 \$1,013 \$101	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 1 7.5 0.75 0.75	Each Hours Days Days	\$350 \$135 \$135 \$50	\$350 \$1,013 \$101 \$38	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 1 7.5 0.75	Each Hours Days	\$350 \$135 \$135	\$350 \$1,013 \$101	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 1 7.5 0.75 0.75	Each Hours Days Days	\$350 \$135 \$135 \$50	\$350 \$1,013 \$101 \$38	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	1 1 7.5 0.75 0.75 1.5	Each Hours Days Days Days	\$350 \$135 \$135 \$135 \$50 \$135	\$350 \$1,013 \$101 \$38 \$203	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	1 1 7.5 0.75 0.75 1.5	Each Hours Days Days Days Hours	\$350 \$135 \$135 \$135 \$50 \$135	\$350 \$1,013 \$101 \$38 \$203 \$1,350	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	1 7.5 0.75 0.75 1.5	Each Hours Days Days Days Hours Hours Days	\$350 \$135 \$135 \$50 \$135 \$135 \$135 \$65 \$50 \$100	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1 1 7.5 0.75 0.75 1.5 10 30 1 1	Each Hours Days Days Days Hours Hours Days LS	\$350 \$135 \$135 \$50 \$135 \$135 \$135 \$65 \$50 \$100 \$500	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$50	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 1 7.5 0.75 0.75 1.5 10 30 1 1 1	Each Hours Days Days Days Hours Hours LS Each	\$350 \$135 \$135 \$50 \$135 \$50 \$135 \$65 \$50 \$100 \$500 \$3,500	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1	Each Hours Days Days Days Hours Hours LS Each Each	\$350 \$135 \$135 \$50 \$135 \$65 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day Assume \$50/day for rental car for field team
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 3	Each Hours Days Days Days Hours Hours LS Each Each	\$350 \$135 \$135 \$50 \$135 \$135 \$65 \$135 \$65 \$100 \$500 \$3,500 \$3,500 \$150	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750 \$450	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1	Each Hours Days Days Days Hours Hours LS Each Each	\$350 \$135 \$135 \$50 \$135 \$65 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day Assume \$50/day for rental car for field team
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight Vehicle for Oversight	1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 3 50 1 1	Each Hours Days Days Days Hours Hours LS Each Hours LS Days LS Each Each Hours LF Days Days Days	\$350 \$135 \$135 \$50 \$135 \$65 \$135 \$65 \$50 \$100 \$500 \$750 \$150 \$50 \$150 \$50 \$150 \$50 \$150 \$50 \$150 \$50 \$150 \$50 \$150 \$1	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750 \$450 \$135 \$135	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day Assume \$50/day for rental car
Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 1 1 3 1	Each Hours Days Days Days Hours Hours LS Each Hours LF Days	\$350 \$135 \$135 \$50 \$135 \$65 \$135 \$65 \$50 \$100 \$500 \$3,500 \$750 \$150 \$150 \$135	\$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$750 \$450 \$2,500 \$135	Labor Rate for 1 person crew \$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew \$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
WIFLENIENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
<u> </u>	1		\$50	\$50	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental	1	Days Days	\$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing  Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	resume yearday for remained for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	1.5	Days Days	\$50 \$135	\$75 \$405	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation	3	Days	φ133	ψ <del>4</del> 03	Loughing and Per diem of \$155/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials Node Installation	1	LS	\$500	\$500	
Mitigation Fan	1	Each Each	\$3,500 \$750	\$3,500 \$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
		1			
Seeling					
Sealing  Equipment and Subcontractor					
Sealing Equipment and Subcontractor Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Equipment and Subcontractor	1	LS	\$1,500	\$1,500	·
Equipment and Subcontractor	1 10	LS	\$1,500 \$65	\$1,500 \$650	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	10	Hours Days	\$65 \$50	\$650 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	10 0.5 0.5 20	Hours  Days Days Tube	\$65 \$50 \$100 \$8	\$650 \$25 \$50 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Days Days Tube	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	10 0.5 0.5 20 1	Hours  Days Days Tube	\$65 \$50 \$100 \$8 \$200	\$650 \$25 \$50 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10  0.5  0.5  20  1  1  5  0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	10  0.5  0.5  20  1  1  5  0.5  0.5  15	Hours  Days Days Tube LS Days Hours Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	10 0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1	Hours  Days Days Tube LS Days Hours Days Days LS Days LS LS	\$65 \$50 \$100 \$100 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Days LS Each	\$65  \$50 \$100 \$18 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5	Hours  Days Days Tube LS Days Hours Days Days LS Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$50 \$65 \$65 \$100 \$400 \$350 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Days LS Each Hours Days Days Days Days Days Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$400 \$350 \$135 \$135 \$550	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3350 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 7.5 0.75 0.75 1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days LS Each Hours Days Days Hours Days LS Each Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$3350 \$135 \$50 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 1,5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.7	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Hours LS Hours Hours Hours LS Hours LS Hours Hours LS LS Hours LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$335 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.75 0.75 0.75 0.	Hours  Days Days Tube LS Days Hours Days Days Days Days Hours Days Days LS Each Hours Days LS Hours Days LS Hours Days LS Hours Days LS Days LS Days Days Days Days Days Days Days Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$66 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$55/hr per person, 1 days,
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1.5  10  30  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$400 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$338 \$203  \$1,950 \$50 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 1 1 1 30 1 1 1 1 1	Hours  Days Days Tube LS Days Hours Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$336 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car fer field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.75 0.75 0.75 1.5 10 30 1 1 1 1 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each LS Each LS Each LS Each LS Each LS Each Each Each Each Each Each Each Each	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$665 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$50 \$1,050 \$500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Miscellaneous Materials Node Installation Mitigation Fan	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.75  1  7.5  0.75  1.5  10  30  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days LS Each Hours Days Days LS Each Each Each Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$335 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$338 \$1,013 \$101 \$338 \$203  \$1,950 \$500 \$3,500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day  Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  1  1  1  1  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Hours LS LS Each Hours LS LS LS Each Hours LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$500 \$500 \$3,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.75  1  7.5  0.75  1.5  10  30  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours LS LS Each Hours LS	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$665 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975  \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$50 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.75  0.75  1  1  7.5  0.75  0.75  1.5  10  30  1  1  1  1  1  3  50	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Hours LS LS Each Hours LS LS LS Each Hours LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$500 \$500 \$3,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST		_			
Sealing  Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	A
Vehicle for Oversight  Diagnostic Testing	1	Days	\$50	\$50	Assume \$50/day for rental car
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	7 to suffice 4007 day for ferital car for field team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation		ļ.,	210-	*****	
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days 10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	Assume 450/day for rental car for field team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor	1		\$1.500	¢4 500	Mahilizations will be combined where presting
	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Equipment and Subcontractor  Mobilization and Site Setup					Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor	1 10	LS	\$1,500 \$65	\$1,500 \$650	
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup					Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	10	Hours Days	\$65 \$50	\$650 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	10 0.5 0.5 20 1	Hours Days Days Tube	\$65 \$50 \$100 \$8 \$200 \$135	\$650 \$25 \$50 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	10 0.5 0.5 20 1 1 5 0.5 0.5	Hours Days Days Tube LS Days Hours Days Hours Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$150	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	10 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5	Hours Days Days Tube LS Days Hours Days Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	10 0.5 0.5 20 1 1 5 0.5 0.5	Hours  Days Days Tube LS Days Hours Days Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  17	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Days LS	\$65 \$50 \$100 \$18 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Days LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$400 \$400 \$350	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Labor - Oversight	10  0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 1 5 0.75 1 1 7.5	Hours Days Days Tube LS Days Hours Days Days LS LS Each Hours	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$1100 \$400 \$350 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  17,5  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Labor - Oversight	10  0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 1 5 0.75 1 1 7.5	Hours Days Days Tube LS Days Hours Days Days LS LS Each Hours	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$1100 \$400 \$350 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  0.75	Hours Days Days Tube LS Days Hours Days Days LS Days LS Each Hours Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  0.75	Hours Days Days Tube LS Days Hours Days Days LS Days LS Each Hours Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  0.75  0.75  0.75  0.75  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew	10  0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 1 5 0.75 0.75 0.75 0.75 1.5 1.5	Hours  Days Days Tube LS Days Hours Days Days Days LS Each Hours Days Days LS Each Hours Hours Days Hours Hours	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65  \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  0.75  1  1  7.5  0.75  0.75  1.5  10  30	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Hours LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$50 \$50 \$50	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1,7.5 0.75 0.75 1.1 1.5 1.0 30 1 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days Days Hours Days Days Days Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$1100 \$400 \$3350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$2200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,950 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 0.75 0.75 0.7	Hours  Days Days Tube LS Days Hours Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$100 \$400 \$3500 \$100 \$400 \$3500 \$100 \$400 \$3500 \$100 \$500	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days LS Days LS Each Hours Days LS Days LS Each LS Days LS Each LS Days LS Each Each	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$50 \$1,950 \$500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	10  0.5 0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1.5 0.75 0.75 1.1 1.5 10 30 1 1 1 1 1 1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days LS Each LS Each Each Each Each	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$1,013 \$101 \$338 \$203  \$1,950 \$5100 \$550 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day  Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Labor - Set	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  1  1  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500 \$3,500 \$750 \$460	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  0.75  0.75  1.5  10  30  1  1  1  1  1  1  3  5  5  5  6  7  7  8  8  8  8  8  8  8  8  8  8  8	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Days Days LS Each Hours Days LS Each Hours Days LS	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$50 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mittigation fan Assume \$50 ft of piping for each node
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	10  0.5 0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 15 0.75 1 1.5 0.75 1.5 1.0 30 1 1 1 1 1 1 1 3 50 1	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Each Hours Days Days LS Each Hours Hours Hours LS Each Hours Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$1,013 \$101 \$101 \$338 \$203  \$1,950 \$500 \$3,500 \$750 \$450 \$2,500 \$135	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car  For installation of mitigation fan Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1  1  1  1  1  1  1  1  1  1  1  3  50	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Days Days LS Each Hours Days LS Each Hours Days LS	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$50 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 for piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMDI EMENTATION COST	_	_		_	
IMPLEMENTATION COST		1			
Sealing					
Equipment and Subcontractor	+				
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
•			· ·		Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days Days	\$50 \$100	\$50 \$100	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135 \$50	\$135	A
Vehicle for Oversight  Diagnostic Testing	1	Days	\$50	\$50	Assume \$50/day for rental car
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1 1 -	Each Hours	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight Travel and Per Diem for Oversight	15 1.5	Days	\$135 \$135	\$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation					
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Vehicle for Field Team	2.25	Days	\$50	\$113	10-hr day Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	Assume \$50/day for femalical for field team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150 \$50	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping]  Travel and Per Diem for Oversight	50 2.25	Days	\$135	\$2,500 \$304	Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
·	20				Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew		Hours	\$65	\$1,300	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	20	Days Tube	\$100 \$8	\$100 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing	20	Harris	ФCF.	£4.050	0 1 45 1 401 1 4 1 4 1 4 405//
Labor - 2-person Crew Vehicle for Field Team	30 1.5	Hours Days	\$65 \$50	\$1,950 \$75	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	Assume \$50/day for remarcal for field team
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	15	Hours	\$135	\$2,025	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	1.5	Days	\$50	\$75	Assume \$50/day for rental car
VIMS Installation	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Vehicle for Field Team	2.25	Days	\$50	\$113	10-hr day Assume \$50/day for rental car for field team
	2.25	Days	\$100	\$225	
PID Rental	1	LS	\$500	\$500	
PID Rental Miscellaneous Materials	_		E3 E00	\$3,500	
PID Rental Miscellaneous Materials Node Installation	1	Each	\$3,500		
PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1	Each	\$750	\$750	For installation of mitigation for
PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	1 1 5	Each Hours	\$750 \$150	\$750 \$750	For installation of mitigation fan Assume 50 ft of piping for each node
PID Rental Miscellaneous Materials Node Installation Mitigation Fan	1	Each	\$750	\$750	Assume 50 ft of piping for each node
PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	1 1 5 50	Each Hours LF	\$750 \$150 \$50	\$750 \$750 \$2,500	

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST	_				
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
					Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team PID Rental	1	Days	\$50 \$100	\$50 \$400	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Days Tube	\$8	\$100 \$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight	1	Days	\$135	\$135	A-0/1 /
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Diagnostic Testing Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight Travel and Per Diem for Oversight	15 1.5	Hours	\$135 \$135	\$2,025 \$203	Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day  Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days Days	\$50	\$203 \$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation			,	,	and the second s
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 day
Vehicle for Field Team	2.25	Days	\$50	\$113	10-hr day Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	Assume \$50/day for rental car for field team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	2	Each	\$3,500	\$7,000	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	5	Hours	\$150	\$750	For installation of mitigation fan
Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	100 2.25	LF Days	\$50 \$135	\$5,000 \$304	Assume 50 ft of piping for each node  Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
				3911	
Transit and it of biomitor Subcontractor		Days	ψ133	фэп	Loughing and 1 et diem of \$155/day/person, 2.25 days
		Days	ψ100	\$911	Eddging and Fer diefff of \$1000aay/person, 2.20 days
Sealing		Bayo	\$100	\$911	Loughing and i or dient or growing/person, 2.25 days
Sealing Equipment and Subcontractor					
Sealing	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Sealing Equipment and Subcontractor Mobilization and Site Setup					Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average
Sealing Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew	1 10	LS	\$1,500 \$65	\$1,500 \$650	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Sealing Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	1 10 0.5	LS Hours Days	\$1,500 \$65 \$50	\$1,500 \$650 \$25	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average
Sealing Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	1 10 0.5 0.5	LS Hours Days Days	\$1,500 \$65 \$50 \$100	\$1,500 \$650 \$25 \$50	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Sealing Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	1 10 0.5 0.5 20	LS Hours Days Days Tube	\$1,500 \$65 \$50 \$100 \$8	\$1,500 \$650 \$25 \$50 \$160	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Sealing Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	1 10 0.5 0.5 20 1	LS Hours Days Days Tube LS	\$1,500 \$65 \$50 \$100 \$8 \$200	\$1,500 \$650 \$25 \$50 \$160 \$200	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Sealing Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	1 10 0.5 0.5 20	LS Hours Days Days Tube	\$1,500 \$65 \$50 \$100 \$8	\$1,500 \$650 \$25 \$50 \$160	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer  Misc Materials  Travel and Per Diem for Subcontractor	1 10 0.5 0.5 20 1	LS Hours Days Days Tube LS Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 10 0.5 0.5 20 1 1 5	LS Hours Days Days Tube LS Days Hours	\$1,500 \$65 \$100 \$8 \$200 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Sealing Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	1 10 0.5 0.5 20 1 1 1 5 0.5	LS Hours Days Days Tube LS Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr dat Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 10 0.5 0.5 20 1 1 1 5 0.5	LS Hours Days Days Tube LS Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing  Labor - 2-person Crew	1 10 0.5 0.5 20 1 1 5 0.5 0.5 0.5	LS Hours Days Days Tube LS Days Hours Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day Assume \$50/day for rental car 2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team	1 10 0.5 0.5 20 1 1 5 0.5 0.5	LS Hours Days Days Tube LS Days Hours Days Days Days	\$1,500 \$65 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental	1 10 0.5 0.5 20 1 1 5 0.5 0.5	LS Hours Days Days Tube LS Days Hours Days Hours Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day Assume \$50/day for rental car 2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental  Miscellaneous Supplies Exhaust Sampling	1 10 0.5 0.5 20 1 1 5 0.5 0.5	LS Hours Days Days Tube LS Days Hours Days Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	1 10 0.5 0.5 0.5 20 1 1 5 0.75 0.75 1 1 7.5	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours	\$1,500 \$65 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$400 \$350 \$1,013	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	1 10 0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 1 1 1 7.5 0.75 0.75 1.75	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350 \$1,013	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	1 10 0.5 0.5 20 1 1 1 5 0.75 0.75 1 1 1 7.5 0.75 0.75 0.75 0.75 0.75	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$1,500 \$65 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$400 \$350 \$135 \$50	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$4400 \$350 \$1,013 \$101 \$38	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	1 10 0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 1 1 1 7.5 0.75 0.75 1.75	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350 \$1,013	Mobilizations will be combined where practical Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies	1 10 0.5 0.5 20 1 1 1 5 0.75 0.75 1 1 1 7.5 0.75 0.75 0.75 0.75 0.75	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Days Days Days Days Days	\$1,500 \$65 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$400 \$350 \$135 \$50	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$4400 \$350 \$1,013 \$101 \$38	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Versight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Travel stand Per Diem for Subcontractor	1 10 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.75 1 1 1 7.5 0.75 0.75 1.5 0.75 1.5 0.75 1.5 1.5 10	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$66 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew	1 10 0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 0.75 1 1 1 1 7.5 0.75 0.75 1.5 1.5 10 30	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day.  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person.  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day.  Lodging and Per diem of \$135/day/person, 0.75 days.  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days.  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day.  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day.
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team	1 1 10 0.5 0.5 20 1 1 1 5 0.75 0.75 1.5 1.5 10 30 1 1	LS Hours Days Days Hours Days Days Hours Days Days Hours Days Days Hours Days LS Each Hours Days Days Hours Days Days LS Each Hours Days Days Days Days Days Days	\$1,500 \$65 \$100 \$8 \$100 \$8 \$200 \$135 \$135 \$50 \$65 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/day/person, 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMIS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental	1 1 0 0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 1 5 0.75 1 1 1 7.5 0.75 0.75 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	LS Hours Days Days Tube LS Days Hours Days Days Hours Days Hours Days Hours Days LS Each Hours Days Days Hours Days Days Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$100 \$400 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	1 10 0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 0.75 1 1 1 1 5 0.75 0.75 1 1.5 10 30 1 1 1 1 1	LS Hours Days Days Tube LS Days Hours Days Days Hours Days Days LS Each LS Eac	\$1,500 \$65 \$50 \$100 \$8 \$220 \$135 \$135 \$135 \$50 \$66 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	1 1 10 0.5 0.5 20 1 1 1 5 0.75 0.75 1 1.5 10 30 1 1 1 1 1 1 1	LS Hours Days Days Hours Days Days Hours Days Days Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$1,500 \$65 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Miscellaneous Materials Miscellaneous Materials Node Installation Mitigation Fan	1 10 0.5 0.5 0.5 20 1 1 5 0.75 0.75 1 1 1.5 1.5 1.5 1 1 1 1 1 1 1 1 1 1 1	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Each Each	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,950 \$50 \$100 \$500 \$3,500 \$1,500 \$1,500 \$1,013	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/day/person, 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4* diameter piping]	1 1 10 0.5 0.5 20 1 1 1 5 0.75 0.75 1 1.5 10 30 1 1 1 1 1 1 1	LS Hours Days Days Hours Days Days Hours Days Days Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$1,500 \$65 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day.  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person.  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day.  Lodging and Per diem of \$135/day/person, 0.75 days.  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days.  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day.  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day.
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	1 10 0.5 0.5 0.5 20 1 1 5 0.75 0.75 1 1 7.5 0.75 0.75 1.5 1.5 1.5 1 1 1 1 1 1 1 1 1 1 1 1 1	LS Hours Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours Days LS Each Hours LS LS Each Hours LS LS Each Hours LS LS Each Hours LS	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$53 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$400 \$3350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500 \$450 \$2,500 \$135	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day
Sealing  Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4* diameter piping]	1 1 10 0.5 0.5 20 1 1 1 5 0.75 0.75 1 1.5 10 30 1 1 1 1 1 1 1 1 1 1 1 1 3 3 50	LS Hours Days Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours LS LS EACH Hours LS LS EACH HOURS LS LS LS EACH HOURS LS	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$500 \$500 \$500 \$500 \$500	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225 \$975 \$38 \$75 \$4400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$550 \$1,950 \$450 \$3,500 \$750 \$450	Mobilizations will be combined where practical  Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day  Assume \$50/day for rental car for field team  For installation of mitigation fan  Assume 50 ft of piping for each node

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em/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IDI EMENTATION COST					
PLEMENTATION COST					_
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	* /	
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental	0.75	Days	\$50 \$100	\$38	Assume \$50/day for rental car for field team
	0.75	Days LS	\$400	\$75 \$400	
Miscellaneous Supplies Exhaust Sampling	1	Each	\$350	\$350	Exhaust campling and analysis, including chipping
Labor - Oversight	7.5	Hours	\$350 \$135	\$1,013	Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation		Dayo	<b>\$.00</b>	<b>\$200</b>	25 aging and 1 or dism of \$150/ady/person; on a days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor 2 parage Craw	30		\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 day
Labor - 3-person Crew		Hours			hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight  Vehicle for Oversight	1	Days	\$135 \$50	\$135	Lodging and Per diem of \$135/day/person, 1 day
Travel and Per Diem for Subcontractor	3	Days Days	\$135	\$50 \$405	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1 day
Travel and Fel Diem for Subcontractor	3	Days	\$133	φ400	Loughly and Fer diem of \$133/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials  Travel and Box Diem for Subcentractor	1	LS	\$200	\$200	Lodging and Per diem of \$135/day/person
Travel and Per Diem for Subcontractor  Labor - Oversight	5	Days Hours	\$135 \$135	\$135 \$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Labor Rate for 1 person crew -\$135/fil. 0.5 day, 10-fil day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing	0.0	Days	ΨΟΟ	ΨΖΟ	Assume 400/day for femalical
	·		4		
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	40	D	6405	¢4.050	Labor Data for 4 paragraphs 6405/hard 12 401 11
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 day
Vehicle for Field Team	1	Days	\$50	\$50	hr day  Assume \$50/day for rental car for field team
PID Rental				\$50 \$100	Assume \$50/day for rental car for field team
Miscellaneous Materials	1	Days LS	\$100 \$500	\$100 \$500	+
Node Installation	1	Each	\$3,500	\$3,500	+
Mitigation Fan	1	Each	\$3,500 \$750	\$3,500	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
	1	Days	\$50	\$50	Assume \$50/day for rental car
Vehicle for Oversight					
Vehicle for Oversight Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
IMPLEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average
Vehicle for Field Team	1	Days	\$50	\$50	Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	Assume \$50/day for rental call for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight	10	Hours	\$135 \$135	\$1,350 \$135	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Travel and Per Diem for Oversight  Vehicle for Oversight	1	Days Days	\$135 \$50	\$135 \$50	Assume \$50/day for rental car
Diagnostic Testing		Days	ΨΟΟ	ΨΟΟ	Assume \$30/day for remarcal
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies Exhaust Sampling	1	LS Each	\$400 \$350	\$400 \$350	Exhaust sampling and analysis, including chinning
Labor - Oversight	15	Hours	\$135	\$2,025	Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation	00.5		0405	<b>#0.000</b>	
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person Crew	67.5	Hours	\$65	\$4,388	10-hr day
Vehicle for Field Team	2.25	Days	\$50	\$113	Assume \$50/day for rental car for field team
PID Rental	2.25	Days	\$100	\$225	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan Electrician	5	Each Hours	\$750 \$150	\$750 \$750	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	2.25	Days	\$135	\$304	Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Oversight	2.25	Days	\$50	\$113	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	6.75	Days	\$135	\$911	Lodging and Per diem of \$135/day/person, 2.25 days
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
	1				
					Sealing wall reconstructions sealing utility penetrations: Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
			·		Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental			·		Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	0.5 0.5	Days Days Tube LS	\$50 \$100 \$8 \$200	\$25 \$50 \$160 \$200	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	0.5 0.5 20 1	Days Days Tube LS Days	\$50 \$100 \$8 \$200 \$135	\$25 \$50 \$160 \$200 \$135	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$50 \$100 \$8 \$200 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	0.5 0.5 20 1 1 5 0.5	Days Days Tube LS Days Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$50 \$100 \$8 \$200 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	0.5 0.5 20 1 1 5 0.5 0.5 0.5	Days Days Tube LS Days Hours Days Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5	Days Days Tube LS Days Hours Days Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.75	Days Days Tube LS Days Hours Days Days LS LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 1	Days Days Tube LS Days Hours Days Days LS Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.75	Days Days Tube LS Days Hours Days Days LS LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Foversight	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 0.75 0.75 0.75	Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 1,7.5 0.75	Days Days Tube LS Days Hours Days Days LS Days LS Each Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 7.5 0.75 0.75 1.5	Days Days Tube LS Days Hours Days Days Days Days Days Days Days LS Each Hours Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 7.5 0.75 1 1.5 0.75 1 1 1.5 0.75 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days Days Days Days Days LS Each Hours Days Days Days Hours Days Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 7.5 0.75 0.75 1.5	Days Days Tube LS Days Hours Days Days Days Days Days Days Days LS Each Hours Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Ladging and Per diem of \$135/day/person, 0.75 days  Ladging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 7.5 0.75 1 1.5 0.75 1 1 1.5 0.75 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Days Tube LS Days Hours Days Days LS Days LS Days Days Days LS Each Hours Days Days LS Hours Days Days Days Days Days Days Days Day	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 1 1 7.5 0.75 0.75 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days Days Days Days Days Days Day	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 7.5 0.75 1 1 0.75 0.75 1 1 0.75 0.75 1 1 0.75 0.75 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Days LS Days LS Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS LS Each LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$38 \$203 \$1,350 \$1,950 \$50	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Labor - Oversight Labor - Teres oversight Labor - Oversight Labor - Oversight Labor - Teres oversight Labor - Oversight Labor - Oversight Labor - Serson Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 0.75 1 1 7.5 0.75 1.5 1.5	Days Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$136 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Nitigation Fan	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 1 1,7.5 0.75 0.75 1.5 1.5	Days Days Tube LS Days Hours Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,950 \$50 \$100 \$500 \$3,500 \$3,500	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 7.5 0.75 1 1 7.5 0.75 1.5 1.5 1.5	Days Days Tube LS Days Hours Days Days LS Days LS Days Days LS Each Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Hours Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100 \$500 \$3,500 \$3,500 \$3,500 \$3,500 \$450 \$450 \$450 \$450 \$450 \$450 \$450 \$	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 11 hr day Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Nitigation Fan	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 1 1,7.5 0.75 0.75 1.5 1.5	Days Days Tube LS Days Hours Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,950 \$50 \$100 \$500 \$3,500 \$3,500	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 11 hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 11 hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	0.5 0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 0.75 1 1 1 7.5 0.75 1.5 1.5 1.5	Days Days Days Tube LS Days Hours Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Hours LS Each Hours LS Each Hours LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$50 \$3,500 \$3,500 \$3,500 \$750 \$450 \$2,500	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10 hr day Assume \$50/day for rental car for field team  For installation of mitigation fan

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m/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
PLEMENTATION COST					
EEMENTATION COOT					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5 20	Days Tube	\$100 \$8	\$50 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$200 \$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	Zabor rtato ioi i porodi oroni vicornii dio day; io in day
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers
·			· ·		
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days LS	\$100 \$400	\$75 \$400	
Miscellaneous Supplies	1		\$400 \$350		Exhaust compling and applyais, including chinning
Exhaust Sampling Labor - Oversight	7.5	Each Hours	\$350 \$135	\$350 \$1,013	Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation					
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 day
			·		hr day
Vehicle for Field Team PID Rental	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
	1	Days	\$100 \$500	\$100 \$500	
Miscellaneous Materials Node Installation	1	LS Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	
					Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr
Vehicle for Field Team	0.5	Days	\$50	\$25	
Vehicle for Field Team PID Rental	0.5 0.5	Days Days	\$50 \$100	\$25 \$50	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr
Vehicle for Field Team PID Rental Elastomeric Polymer	0.5 0.5 20	Days Days Tube	\$50 \$100 \$8	\$25 \$50 \$160	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials	0.5 0.5 20 1	Days Days Tube LS	\$50 \$100 \$8 \$200	\$25 \$50 \$160 \$200	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	0.5 0.5 20 1	Days Days Tube LS Days	\$50 \$100 \$8 \$200 \$135	\$25 \$50 \$160 \$200 \$135	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$50 \$100 \$8 \$200 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor	0.5 0.5 20 1	Days Days Tube LS Days	\$50 \$100 \$8 \$200 \$135	\$25 \$50 \$160 \$200 \$135	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	0.5 0.5 20 1 1 5 0.5 0.5	Days Days Tube LS Days Hours Days Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5	Days Days Tube LS Days Hours Days Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.75	Days Days Tube LS Days Hours Days Days LS LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 1	Days Days Tube LS Days Hours Days Days LS Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.75 15 17,5	Days Days Tube LS Days Hours Days Days LS Days LS Each Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 0.75 1 1 1 7.5 0.75	Days Days Tube LS Days Hours Days Days LS Days Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew -\$135/hr: 0.75 days, 10-hr day  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 0.75 0.75 0.75 0.75	Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$350 \$135 \$350 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 0.75 1 1 1 7.5 0.75	Days Days Tube LS Days Hours Days Days LS Days Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 0.75 0.75 0.75 0.75 0.75	Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$350 \$135 \$350 \$135 \$350 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	0.5 0.5 20 1 1 5 0.5 0.5 15 0.75 1 1 1 7.5 0.75 0.75 1.5	Days Days Tube LS Days Hours Days Days Days Days LS Each Hours Days Days Hours Days LS Each Hours Days Days Days Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - Oversight Labor - Oversight	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 0.75 1.5 1.5	Days Days Tube LS Days Hours Days Days LS Days LS Days Days Hours Days Days LS Each Hours Days Days Hours LS Each Hours Days	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 0.75 0.75 0.75 0.75 1.5 0.75 1.5	Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Hours Days Days Days Days Days Days Days Day	\$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew -\$135/hr: 0.75 days, 10-hr day  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1, 7.5 0.75 0.75 1.5 10 30 1	Days Days Tube LS Days Hours Days Hours Days Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew -\$135/hr: 0.75 days, 10-hr day  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Miscellaneous Materials	0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1	Days Days Tube LS Days Hours Days Days LS Days LS Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew -\$135/hr: 0.75 days, 10-hr day  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 15 0.75 0.75 0.75 1 1 1 7.5 0.75 1.5 10 30 1 1 1 1 1	Days Days Tube LS Days Hours Days Hours Days LS Bays LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each	\$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew -\$135/hr: 0.75 days, 10-hr day  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitgellaneous Materials Node Installation Mitgellaneous Materials Mitgellaneous Mitgellaneou	0.5 0.5 0.5 20 1 1 1 5 0.5 0.5 0.5 15 0.75 0.75 1 1,5 0.75 1,5 10 30 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Each	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$330 \$1,013 \$101 \$338 \$203 \$1,350 \$1,950 \$500 \$3,500 \$3,500	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew -\$135/hr: 0.75 days, 10-hr day  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day  Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per pers Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day Assume \$50/day for rental car for field team  For installation of mitigation fan
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 0.75 1 1 1 1 30 1 1 1 1 1 1 1 1 3 5 5 0	Days Days Tube LS Days Hours Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours LS Each LS Each LS Each LS LS EACH LS LS EACH LS	\$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node
Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 1 7.5 0.75 0.75 1.5 10 30 1 1 1 1 1 1 1 1	Days Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours Days LS Each Hours	\$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person crew -\$135/hr: 0.75 days, 10-hr day  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 day hr day Assume \$50/day for rental car for field team  For installation of mitigation fan

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
IMPEEMENTATION COST					
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5	Days	\$100	\$50	robatile goorday for formal out for itola touri
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight Vehicle for Oversight	0.5 0.5	Days Days	\$135 \$50	\$68 \$25	Assume \$50/day for rental car
Diagnostic Testing	0.5	Days	ΨΟΟ	ΨΖΟ	Assume \$50/day for rental cal
	45		005	0075	0   0.75   40   4   405/
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies Exhaust Sampling	1	LS Each	\$400 \$350	\$400 \$350	Exhaust compling and analysis, including chinning
Exnaust Sampling Labor - Oversight	7.5	Hours	\$350 \$135	\$350 \$1,013	Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight	0.75	Days	\$50	\$38	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation					
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Labor - 3-person Crew	30	Hours	\$65	\$1,950	Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 10
Vehicle for Field Team	1	Days	\$50	\$50	hr day  Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	Assume \$50/day for rental car for neid team
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan	1	Each	\$750	\$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight Vehicle for Oversight	1	Days	\$135 \$50	\$135	Lodging and Per diem of \$135/day/person, 1 day
Travel and Per Diem for Subcontractor	3	Days Days	\$135	\$50 \$405	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 1 day
Traver and 1 or Blem for Gubbonitation		Days	ψ100	Ψ+00	Loughing and For dioth or proofedly/person; Fully
Sealing					
Equipment and Subcontractor			01.500	A. ===	
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Labor - 2-person Crew	20	Hours	\$65	\$1,300	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 1-day, 10-hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	robatile \$607aay for formal our for float count
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	2	Days	\$135	\$270	Lodging and Per diem of \$135/day/person
Labor - Oversight Travel and Per Diem for Oversight	10	Hours	\$135 \$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Vehicle for Oversight	1	Days Days	\$135 \$50	\$135 \$50	Assume \$50/day for rental car
Diagnostic Testing		Dayo	ΨΟΟ	ΨΟΟ	7.65dine \$667ddy for rental odi
Labor - 2-person Crew	30	Hours	\$65	\$1,950	2 people, 1.5 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	1.5	Days	\$50	\$75	Assume \$50/day for rental car for field team
PID Rental	1.5	Days	\$100	\$150	
Miscellaneous Supplies	1	LS	\$400	\$400	File of the Property of the Pr
Exhaust Sampling Labor - Oversight	15	Hours	\$350 \$135	\$350 \$2,025	Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 1.5 days, 10-hr day
Travel and Per Diem for Oversight	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 1.5 days
Vehicle for Oversight	1.5	Days	\$50	\$75	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1.5 days
VIMS Installation					
Labor - Oversight	22.5	Hours	\$135	\$3,038	Labor Rate for 1 person crew -\$135/hr: 2.25 days, 10-hr day
Labor - 3-person Crew		Hours	\$65	\$4,388	Average Labor Rate for 3 person crew at \$65/hr per person, 2.25 days
Labor - 3-person orew	67.5	110013			10-hr day
•			\$50	\$112	Assume \$50/day for rental car for field team
Vehicle for Field Team	2.25	Days	\$50 \$100	\$113 \$225	Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental	2.25 2.25	Days Days	\$100	\$225	Assume \$50/day for rental car for field team
Vehicle for Field Team	2.25	Days			Assume \$50/day for rental car for field team
Vehicle for Field Team PID Rental Miscellaneous Materials	2.25 2.25 1	Days Days LS	\$100 \$500	\$225 \$500	
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	2.25 2.25 1 1 1 5	Days Days LS Each Each Hours	\$100 \$500 \$3,500 \$750 \$150	\$225 \$500 \$3,500 \$750 \$750	For installation of mitigation fan
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	2.25 2.25 1 1 1 5	Days Days LS Each Each Hours LF	\$100 \$500 \$3,500 \$750 \$150 \$50	\$225 \$500 \$3,500 \$750 \$750 \$2,500	For installation of mitigation fan Assume 50 ft of piping for each node
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	2.25 2.25 1 1 1 5 50 2.25	Days Days LS Each Each Hours LF Days	\$100 \$500 \$3,500 \$750 \$150 \$50 \$135	\$225 \$500 \$3,500 \$750 \$750 \$2,500 \$304	For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 2.25 days
Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	2.25 2.25 1 1 1 5	Days Days LS Each Each Hours LF	\$100 \$500 \$3,500 \$750 \$150 \$50	\$225 \$500 \$3,500 \$750 \$750 \$2,500	For installation of mitigation fan Assume 50 ft of piping for each node

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em/Activity	Qty	Unit	<b>Unit Cost</b>	Cost	Notes & Comments
MPLEMENTATION COST		1			
Soaling					
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
mobilization and one octup			<b>4</b> .,000	<b>4</b> 1,000	·
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental Elastomeric Polymer	0.5 20	Days Tube	\$100 \$8	\$50 \$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per persor
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	7.65 diffe \$607 day for femal out for field team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$50 \$135	\$38 \$203	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.5	Days	\$100	\$203	Loughing and Per diem of \$155/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
	30		\$65		Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Labor - 3-person Crew	30	Hours	·	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation Mitigation Fan	1	Each Each	\$3,500 \$750	\$3,500 \$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
			·	•	
Sealing				• • • • • • • • • • • • • • • • • • • •	
Sealing Equipment and Subcontractor					
Sealing  Equipment and Subcontractor  Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Equipment and Subcontractor	1	LS			·
Equipment and Subcontractor	1 10	LS			Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew	10	Hours	\$1,500 \$65	\$1,500 \$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	10	Hours Days	\$1,500 \$65 \$50	\$1,500 \$650 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$1,500 \$65 \$50 \$100	\$1,500 \$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	0.5 0.5 20	Hours  Days Days Tube	\$1,500 \$65 \$50 \$100 \$8	\$1,500 \$650 \$25 \$50 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$1,500 \$65 \$50 \$100	\$1,500 \$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight	10 0.5 0.5 20 1	Hours  Days Days Tube LS	\$1,500 \$65 \$50 \$100 \$8 \$200	\$1,500 \$650 \$25 \$50 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr daysume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Hours  Days Days Tube LS Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team.  Lodging and Per diem of \$135/day/person.  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day.
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr daysume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Hours  Days Days Tube LS Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team.  Lodging and Per diem of \$135/day/person.  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day.
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5 0.5	Hours  Days Days Tube LS Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew	10  0.5  0.5  20  1  1  5  0.5  0.5  15	Hours  Days Days Tube LS Days Hours Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  15  0.75	Hours Days Days Tube LS Days Hours Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$65 \$65	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew	10  0.5  0.5  20  1  1  5  0.5  0.5  15	Hours  Days Days Tube LS Days Hours Days Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Bays LS LS LS Each	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$400 \$350	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5	Hours  Days Days Tube LS Days Hours Days Days LS LS Each Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  0.75  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Days Days Days Days Days Days Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - Oversight	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 1 1 7.5 0.75 0.75 0.75 1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Hours Days Hours	\$1,500 \$65 \$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team.  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 0.5 day, 10-hr day.  Assume \$50/day for rental car.  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team.  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr; 0.75 days, 10-hr day.  Lodging and Per diem of \$135/day/person, 0.75 days.  Assume \$50/day for rental car.  Lodging and Per diem of \$135/day/person, 0.75 days.  Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day.
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	10  0.5 0.5 0.5 20 1 1 5 0.5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 7.5 0.75 0.75 0.75 1.5 1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Hours Hours Hours Days Hours Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day.  Assume \$50/day for rental car for field team.  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day.  Assume \$50/day for rental car.  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person.  Assume \$50/day for rental car for field team.  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day.  Lodging and Per diem of \$135/day/person, 0.75 days.  Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days.  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day.  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day.
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team	10  0.5 0.5 0.5 0.5 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 7.5 0.75 0.75 1.5 10 30	Hours  Days Days Tube LS Days Hours Days Days Days Days Hours Days Days LS Each Hours Days LS Days LS Each Hours Days Days LS Days Days Days Days Days Days Days Days	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  1.5  10  30  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$100	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.75  1  1  7.5  0.75  0.75  1.5  10  30  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours Days Days LS Each LS Ea	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$66 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$1,000 \$100 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  0.75  1  7.5  0.75  1.5  10  30  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days LS Days LS LS Days LS Days LS Days LS	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Mitigation Fan Mitigation Fan	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.75  1  1  7.5  0.75  1.5  10  30  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days LS Each Hours Days Days LS Each Hours Days LS Each Each Each Each Each Each Each	\$1,500 \$65 \$50 \$100 \$8 \$2200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$100 \$400 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$125 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight User Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.75  1  1  1  1  30  1  1  1  1  1  1  3	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$400 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,350 \$1,950 \$500 \$3,500 \$750 \$450	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr d Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team
Equipment and Subcontractor Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Mitigation Fan Mitigation Fan	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  0.75  1  1  7.5  0.75  1.5  10  30  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Days Days LS Days Days LS Each Hours Days LS Each Hours Days LS LS Days LS Each Hours Days LS	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$3,500 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day  Assume \$50/day for rental car for field team
Equipment and Subcontractor  Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing  Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PiD Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  0.75  1  7.5  0.75  1.5  10  30  1  1  1  1  1  3  50	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours	\$1,500 \$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$400 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135	\$1,500 \$650 \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,350 \$1,950 \$500 \$3,500 \$750 \$450	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Rasume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr; 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr; 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr; 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node

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Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MADI EMENTATION COOT					
MPLEMENTATION COST	_	1			
Sealing					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
					Sealing, wall reconstructions, sealing utility penetrations; Average
Labor - 2-person Crew	10	Hours	\$65	\$650	Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
	0.5	D	050	005	
Vehicle for Field Team PID Rental	0.5 0.5	Days Days	\$50 \$100	\$25 \$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	20	Tube	\$8	\$160	
Misc Materials	1	LS	\$200	\$200	
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing					
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	
Miscellaneous Supplies	1	LS	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75 1.5	Days Days	\$50 \$135	\$38 \$203	Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
VIMS Installation	1.0	Days	ψ100	ΨΣΟΟ	Loughing and Fer diem of \$133/day/person, 0.73 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
	30	Hours	\$65		Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1
Labor - 3-person Crew				\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation Mitigation Fan	1	Each Each	\$3,500 \$750	\$3,500 \$750	
Electrician	3	Hours	\$150	\$450	For installation of mitigation fan
Piping Installation [4" diameter piping]	50	LF	\$50	\$2,500	Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
Sealing					
Equipment and Subcontractor					
Equipment and Subcontractor  Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Mobilization and Site Setup		LS	\$1,500		·
	1 10	LS	\$1,500 \$65	\$1,500 \$650	Sealing, wall reconstructions, sealing utility penetrations; Average
Mobilization and Site Setup  Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team	10	Hours Days	\$65 \$50	\$650 \$25	·
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours Days Days	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer	10 0.5 0.5 20	Hours  Days Days Tube	\$65 \$50 \$100 \$8	\$650 \$25 \$50 \$160	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental	10 0.5 0.5	Hours  Days Days Tube LS	\$65 \$50 \$100	\$650 \$25 \$50	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials	10 0.5 0.5 20 1	Hours  Days Days Tube	\$65 \$50 \$100 \$8 \$200	\$650 \$25 \$50 \$160 \$200	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5	Days Days Tube LS Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	10 0.5 0.5 20 1 1 5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental  Elastomeric Polymer Misc Materials  Travel and Per Diem for Subcontractor  Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10 0.5 0.5 20 1 1 5 0.5	Days Days Tube LS Days Hours Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew	10 0.5 0.5 20 1 1 5 0.5 0.5	Hours  Days Days Tube LS Days Hours Days Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	10  0.5  0.5  20  1  1  5  0.5  0.5  15  0.75	Hours Days Days Tube LS Days Hours Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew	10 0.5 0.5 20 1 1 5 0.5 0.5	Hours  Days Days Tube LS Days Hours Days Days Hours	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.75  0.75	Hours Days Days Tube LS Days Hours Days Days Days Days Days Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$66 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1	Hours  Days Days Tube LS Days Hours Days Days LS Hours LS LS Days LS	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  7.5  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135	\$650 \$25 \$50 \$180 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Field Team PID Rental	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  15  0.75  0.75  0.75  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  1  1  7.5  0.75  0.75	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$440 \$350 \$135 \$135 \$135	\$650 \$25 \$50 \$180 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Orem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  0.75  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days	\$65 \$50 \$100 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65  \$50 \$100 \$400 \$3350 \$135 \$50 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$338 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Orem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  7.5  0.75  0.75  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days	\$65  \$50 \$100 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  1.5	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Days	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$65  \$50 \$100 \$400 \$3350 \$135 \$50 \$135 \$135 \$50 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$338 \$1,013 \$101 \$38 \$203	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  1.5  10  30  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$400 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$775 \$4400 \$350 \$1,013 \$101 \$338 \$223  \$1,350 \$1,950 \$50 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person  Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person  Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping  Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car  Lodging and Per diem of \$135/day/person, 0.75 days  Assume \$50/day for rental car
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials	10  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  15  0.75  1  1  7.5  0.75  0.75  1.5  10  30  1  1  1	Hours  Days Days Tube LS Days Hours Days Days LS Each Hours Days Days Hours Days LS Each Hours Days Days Days LS Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$3350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Travel and Per Diem for Subcontractor  VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  15  0.75  0.75  1  1  7.5  0.75  1.5  10  30  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days LS Each Hours Days Days LS Each Each LS Each LS Each LS Each Each LS Each LS Each Each LS Each Each Each Each Each Each Each Each	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$165 \$50 \$100 \$3350 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$50 \$1,350	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day  Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.5  0.75  1  1  7.5  0.75  1.5  10  30  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Days Hours Days Days LS Each Hours Days Days LS Each LS Each Each Each	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$400 \$400 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$220 \$135 \$675 \$68 \$225  \$975 \$38 \$75 \$4400 \$338 \$1,013 \$101 \$338 \$203  \$1,950 \$500 \$3,500 \$750	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 day Assume \$50/day for rental car for field team
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.75  1  1  7.5  0.75  0.75  1.5  10  30  1  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours LS Each Hours Days Days LS Each Hours Days Days Hours Hours Days Hours Days LS Each Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$76 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500 \$3,500 \$450 \$450	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 7 day  Assume \$50/day for rental car for field team  For installation of mitigation fan
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	10  0.5  0.5  0.5  0.5  11  1  5  0.5  0.	Hours  Days Days Tube LS Days Hours Days Days Days Days LS Days Days Days LS Each Hours Days LS Each Hours Days LS	\$65  \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50  \$100 \$400 \$3350 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$650  \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25  \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203  \$1,350 \$1,950 \$50 \$3,500 \$750 \$450 \$2,500	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 7 hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume \$50 ft of piping for each node
Mobilization and Site Setup  Labor - 2-person Crew  Vehicle for Field Team PID Rental Elastomeric Polymer Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing  Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew  Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	10  0.5  0.5  0.5  20  1  1  5  0.5  0.5  0.5  0.75  1  1  1  1  30  1  1  1  1  1  1  1	Hours  Days Days Tube LS Days Hours Days Days Hours Days LS Each Hours Days Days LS Each Hours LS Each Hours Days Days LS Each Hours Days Days Hours Hours Days Hours Days LS Each Hours Days Hours Days Days	\$65 \$50 \$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$4400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135	\$650 \$25 \$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$76 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500 \$3,500 \$450 \$450	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr day Assume \$50/day for rental car for field team  Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, 1 hr day Assume \$50/day for rental car for field team

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tem/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
MPLEMENTATION COST					
Souling					
Sealing Equipment and Subcontractor	-				
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
Mobilization and one octop			<b>\$</b> 1,000	<b>4</b> 1,000	·
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da
Vehicle for Field Team	0.5	Days	\$50	\$25	Assume \$50/day for rental car for field team
PID Rental	0.5 20	Days Tube	\$100 \$8	\$50 \$160	
Elastomeric Polymer Misc Materials	1	LS	\$8 \$200	\$200	_
Travel and Per Diem for Subcontractor	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person
Labor - Oversight	5	Hours	\$135	\$675	Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Travel and Per Diem for Oversight	0.5	Days	\$135	\$68	
Vehicle for Oversight	0.5	Days	\$50	\$25	Assume \$50/day for rental car
Diagnostic Testing	_				
Labor - 2-person Crew	15	Hours	\$65	\$975	2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per persor
Vehicle for Field Team	0.75	Days	\$50	\$38	Assume \$50/day for rental car for field team
PID Rental	0.75	Days	\$100	\$75	7.654me \$55/day for femal our for field team
Miscellaneous Supplies	1	LŚ	\$400	\$400	
Exhaust Sampling	1	Each	\$350	\$350	Exhaust sampling and analysis, including shipping
Labor - Oversight	7.5	Hours	\$135	\$1,013	Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Travel and Per Diem for Oversight	0.75	Days	\$135	\$101	Lodging and Per diem of \$135/day/person, 0.75 days
Vehicle for Oversight Travel and Per Diem for Subcontractor	0.75	Days	\$50	\$38	Assume \$50/day for rental car
VIMS Installation	1.5	Days	\$135	\$203	Lodging and Per diem of \$135/day/person, 0.75 days
Labor - Oversight	10	Hours	\$135	\$1,350	Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
					Average Labor Rate for 3 person crew at \$65/hr per person, 1 days,
Labor - 3-person Crew	30	Hours	\$65	\$1,950	hr day
Vehicle for Field Team	1	Days	\$50	\$50	Assume \$50/day for rental car for field team
PID Rental	1	Days	\$100	\$100	
Miscellaneous Materials	1	LS	\$500	\$500	
Node Installation	1	Each	\$3,500	\$3,500	
Mitigation Fan Electrician	1	Each	\$750 \$150	\$750 \$450	For installation of mitigation for
Piping Installation [4" diameter piping]	3 50	Hours LF	\$50	\$2,500	For installation of mitigation fan  Assume 50 ft of piping for each node
Travel and Per Diem for Oversight	1	Days	\$135	\$135	Lodging and Per diem of \$135/day/person, 1 day
Vehicle for Oversight	1	Days	\$50	\$50	Assume \$50/day for rental car
Travel and Per Diem for Subcontractor	3	Days	\$135	\$405	Lodging and Per diem of \$135/day/person, 1 day
0					
Sealing Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	\$1,500	\$1,500	Mobilizations will be combined where practical
modification and one corap	<u> </u>		ψ1,000	ψ.,σσσ	
Labor - 2-person Crew	10	Hours	\$65	\$650	Sealing, wall reconstructions, sealing utility penetrations; Average
					Labor Rate for 2 person crew at \$65/hr per person; 0.5-day, 10-hr da
Vehicle for Field Team	0.5	D			
PID Rental		Days	\$50	\$25	Assume \$50/day for rental car for field team
	0.5	Days	\$100	\$50	Assume \$50/day for rental car for field team
Elastomeric Polymer	0.5 20	Days Tube	\$100 \$8	\$50 \$160	Assume \$50/day for rental car for field team
Misc Materials	0.5 20 1	Days Tube LS	\$100 \$8 \$200	\$50 \$160 \$200	
Misc Materials Travel and Per Diem for Subcontractor	0.5 20 1 1	Days Tube LS Days	\$100 \$8 \$200 \$135	\$50 \$160 \$200 \$135	Lodging and Per diem of \$135/day/person
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight	0.5 20 1 1 5	Days Tube LS Days Hours	\$100 \$8 \$200 \$135 \$135	\$50 \$160 \$200 \$135 \$675	
Misc Materials Travel and Per Diem for Subcontractor	0.5 20 1 1	Days Tube LS Days	\$100 \$8 \$200 \$135	\$50 \$160 \$200 \$135	Lodging and Per diem of \$135/day/person
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight	0.5 20 1 1 5 0.5	Days Tube LS Days Hours Days	\$100 \$8 \$200 \$135 \$135 \$135	\$50 \$160 \$200 \$135 \$675 \$68	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing	0.5 20 1 1 5 0.5 0.5	Days Tube LS Days Hours Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50	\$50 \$160 \$200 \$135 \$675 \$68 \$25	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day Assume \$50/day for rental car
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew	0.5 20 1 1 5 0.5 0.5	Days Tube LS Days Hours Days Hours Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50	\$50 \$160 \$200 \$135 \$675 \$68 \$25	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team	0.5 20 1 1 5 0.5 0.5 0.5	Days Tube LS Days Hours Days Days Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day Assume \$50/day for rental car
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental	0.5 20 1 1 5 0.5 0.5 0.5	Days Tube LS Days Hours Days Days Days Days Days Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$65	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5	Days Tube LS Days Hours Days Days Days LS Days LS	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$65 \$100 \$4400	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75	Days Tube LS Days Hours Days Days Days LS Each	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$65 \$100 \$400 \$3350	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 0.5	Days Tube LS Days Hours Days Days LS Each Hours	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 0.75 0.75	Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$65 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350 \$1,013 \$101 \$38	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 7.5 0.75	Days Tube LS Days Hours Days Days Days LS Days Days Days Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$65 \$100 \$400 \$350 \$135 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$775 \$400 \$350 \$1,013	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	0.5 20 1 1 5 0.5 0.5 0.5 0.75 15 0.75 1 1 1 7.5 0.75 0.75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Days LS LS Each Hours Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew  Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 0.75 0.75	Days Tube LS Days Hours Days Days LS Each Hours Days Days LS Each Hours Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$65 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$440 \$350 \$1,013 \$101 \$38	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation	0.5 20 1 1 5 0.5 0.5 0.5 0.75 15 0.75 1 1 1 7.5 0.75 0.75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Days LS LS Each Hours Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - Oversight Labor - Oversight	0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 1 1 5 0.75 0.75 1 1 3 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	Days Tube LS Days Hours Days Days Days Days Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Days Days Days Hours	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135 \$50	\$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$203 \$1,350 \$1,950	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight	0.5 20 1 1 5 0.5 0.5 0.5 15 0.75 1,75 0.75 1,75 0.75 0.75 0.75	Days Tube LS Days Hours Days Hours Days LS Each Hours Days LS Each Hours Days Days LS Each Hours Days Days Days Days Days Days Days Day	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$203	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Vehicle for Oversight  Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team	0.5 20 1 1 1 5 0.5 0.5 0.5 15 0.75 1 1 1 7.5 0.75 1 1 1 7.5 0.75 1.5 10 30	Days Tube LS Days Hours Days Days Days Days Days Days LS Each Hours Days Days LS Each Hours Days Days Hours Days Days Days Hours	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$50 \$160 \$200 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation	0.5 20 1 1 5 0.5 0.5 0.5 0.75 1 1 7.5 0.75 0.75 1 1 1.5 0.75 0.75 1 1 1 1 1 1 1 1 1 1 1 1 1	Days Tube LS Days Hours Days Days Hours Days LS Each Hours Days LS Each Hours Days Days Days Days Days Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135	\$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$500 \$3,500	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day  Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan	0.5 20 1 1 1 5 0.5 0.5 0.5 0.75 1 1 7.5 0.75 0.75 1 1 1.5 1.0 30 1 1 1 1 1 1	Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Each Each Each	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$223 \$1,350 \$1,950 \$500 \$3,500 \$3,500	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight  Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician	0.5 20 1 1 5 0.5 0.5 0.5 0.5 15 0.75 0.75 1 1 1 1 30 1 1 1 1 1 1 3	Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each LS Each Hours Days LS Each Hours Days LS Each Hours Days LS LS Each Hours Hours Days	\$100 \$8 \$200 \$135 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$50 \$135 \$135 \$135 \$135 \$135 \$135 \$135 \$135	\$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$50 \$500 \$3,500 \$750 \$450	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 1 1 1 7.5 0.75 1.5 10 30 1 1 1 1 1 1 1 3 5 50	Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours LS Each Hours LS LS Each Hours LS	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$10	\$50 \$160 \$220 \$135 \$675 \$675 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per person Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - Oversight Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping] Travel and Per Diem for Oversight	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 0.75 1 1 1 1 3 0 1 1 1 1 1 3 50 1	Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours LS Each Hours Days LS LS Each Hours Days Days LS Days LS Days LS Days Days LS Days Days LS Days Days Days Days Days Days Days Days	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$50 \$100 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$	\$50 \$160 \$220 \$135 \$675 \$68 \$25 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$223 \$1,350 \$1,950 \$500 \$3,500 \$3,500 \$3,500 \$3,500 \$450 \$450 \$450 \$450 \$450 \$450 \$450 \$	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node Lodging and Per diem of \$135/day/person, 1 day
Misc Materials Travel and Per Diem for Subcontractor Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Diagnostic Testing Labor - 2-person Crew Vehicle for Field Team PID Rental Miscellaneous Supplies Exhaust Sampling Labor - Oversight Travel and Per Diem for Oversight Vehicle for Oversight Travel and Per Diem for Subcontractor VIMS Installation Labor - 3-person Crew Vehicle for Field Team PID Rental Miscellaneous Materials Node Installation Mitigation Fan Electrician Piping Installation [4" diameter piping]	0.5 20 1 1 1 5 0.5 0.5 0.5 0.5 15 0.75 1 1 7.5 0.75 1 1 1 7.5 0.75 1.5 10 30 1 1 1 1 1 1 1 3 5 50	Days Tube LS Days Hours Days Days LS Each Hours Days LS Each Hours Days LS Each Hours LS Each Hours LS Each Hours LS LS Each Hours LS	\$100 \$8 \$200 \$135 \$135 \$135 \$50 \$65 \$50 \$100 \$400 \$350 \$135 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$50 \$135 \$135 \$135 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$10	\$50 \$160 \$220 \$135 \$675 \$675 \$975 \$38 \$75 \$400 \$350 \$1,013 \$101 \$38 \$203 \$1,350 \$1,950 \$50 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3,500 \$3	Lodging and Per diem of \$135/day/person Labor Rate for 1 person crew -\$135/hr: 0.5 day, 10-hr day  Assume \$50/day for rental car  2 people, 0.75 days, 10-hr day; Average labor rate \$65/hr per perso Assume \$50/day for rental car for field team  Exhaust sampling and analysis, including shipping Labor Rate for 1 person crew -\$135/hr: 0.75 days, 10-hr day Lodging and Per diem of \$135/day/person, 0.75 days Assume \$50/day for rental car Lodging and Per diem of \$135/day/person, 0.75 days  Labor Rate for 1 person crew -\$135/hr: 1 day, 10-hr day Average Labor Rate for 3 person crew at \$65/hr per person, 1 days, hr day Assume \$50/day for rental car for field team  For installation of mitigation fan Assume 50 ft of piping for each node

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### Alternative 3: Identification and Sealing of Vapor Entry Points, Diagnostic Testing, VIMS Installation/Startup/Commissioning

Keystone Corridor - Interim ROD VIMS Estimates

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
-					
IMPLEMENTATION COST					
VIMS Startup and Commissioning					4/0 decree describer 50 decre 40 hadra for the decree
Labor Oversight - VIMS Startup and Commissioning	500	Hours	\$135	\$67,500	1/2 day per structure; 50-days, 10-hr days, for startup assessment; assumes 6.5 days of buffer
Oversight - Travel and Per Diem - VIMS Startup and	50	Days	\$135	\$6,750	assumes 0.5 days of buller
Vehicle for Oversight	50	Days	\$50	\$2,500	Assume \$50/day for rental car
verillole for oversight	30	Days	ΨΟΟ	\$2,500	1/2 day per structure; 50-days, 10-hr days, for startup assessment;
Labor - 2-person crew	1000	Hours	\$65	\$65,000	assumes 6.5 days of buffer
Travel and Per Diem - VIMS Startup and Commissioning (field cr	100	Days	\$135	\$13,500	2-person crew for 50 days, 10-hr days
Vehicle for Field Team	50	Days	\$50	\$2,500	Assume \$50/day for rental car for field team
PID Rental	50	Days	\$100	\$5,000	
Mobilization and Site Setup - VIMS Startup and Commissioning	1	LS	\$10,000	\$10,000	
VaporPin Installation	155	Each	\$300	\$46,500	
Laboratory Analyses - 1 event	1	LS	\$108,062	\$108,062	From Tab Alt_2_Lab
Data Validation - 1 event	1	LS	\$8,110	\$8,110	From Tab Alt_2_DV
Labor - Construction Manager - VIMS Startup and Commissionin	500	Hours	\$135	\$67,500	Construction manager for 15 days, 10-hr days
Construction Manager - Travel and Per Diem - VIMS Startup an	50	Days	\$135	\$6,750	Construction manager for 15 days
Vehicle for Construction Manager	50	Days	\$50	\$2,500	Assume \$50/day for rental car
Construction Report	1	each	\$100,000	\$100,000	Draft and Final Construction Completion Report, includes Data Validation and Evaluation
Subtotal (VIMS Sealing, Diagnostic Testing, and Installation by Building)				\$3,267,628	
Contingency	050/			£040.007	
Contingency Project Management	25% 10%			\$816,907 \$326,763	
G&A	7%			\$228,734	
Overhead & Profit	8%			\$261,410	
	Total	Implem	entation Cost	\$4,901,442	
Annual			<b>#70.740</b>	#000 FF0	A
Labor	5	Each	\$73,710	\$368,550	Assume 2 people for 273 hours (3 hours per structure, 88 total, plus 9 hour buffer) @ \$135/hr:
Vehicle for Field Team	5	Each	\$1,350	\$6,750	Assume \$50/day for rental car for field team, 27 days
PID Rental	5	Each	\$2,700	\$13,500	Assume \$100/day for equipment rental, 27 days
Other Field Equipment		Each			Assume \$100/day for equipment rental, 27 days. Rental of field
	5		\$2,700	\$13,500	equipment for measurement of physical parameters, including micro- manometer and anemometer
Laboratory and DV	0	each	\$116,172	\$0	Key Assumption - Will rely on physical operation parameters
Report	5	each	\$35,000	\$175,000	Tech Memo Summary of Results
Subtotal	050/		\$231,632	\$577,300	
Contingency	25%		\$57,908	\$144,325	
Project Management G&A	10% 7%		\$23,163 \$16,214	\$57,730 \$40,411	
Overhead & Profit	8%		\$16,214 \$18,531	\$46,184	
Subtotal	0 /0		\$16,531	\$865.950	
Cubician			2011,110	2000,000	
Monitoring Years 1-5			\$347,448		
Monitoring Total Future Cost				\$865,950	
Present Value <sub>(0.4%)</sub> of Future Cost Monitoring	5	year	0.4%	\$1,723,452	First Year of Monitoring not Discounted
		L			
	Present Va		0.4%	\$1,723,452	Y2017 PV calculated for 5 yrs future cost using 0.4 Real Discount Rate per Office of Management and Budget (2014) guidance.

- Other Notes and References:

  The "Real" Discount Rate used to calculate the Present Value cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the contract of the Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectiveness, and the cost is 0.4% for a timeframe of 5-years per the Office of Mana The "Real" Discount Rate used to calculate the Present Value cost is 0.4% for a timeframe of 5-years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2014, "Discount Rates for Cost Effectease Purchases, and Related Analysis"
   The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2014 Budget Baseline. These real rates are to be used for
- USEPA. 1988. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. OSWER Directive 9355.3-01. EPA/540/G-89/004. October.
- USEPA. 2000. A Guide to Developing and Documenting Cost Estimates During the Feasibility Study. With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

• USEPA. 2000. A Guide to Developing and Documenting Cost Estimates During the Feasibility Study. With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

This is not an offer for construction and/or project execution.

These AACE Classification Class 4 cost estimates are assumed to represent the actual total installed cost within the range of -30 percent to +50 percent (% based on AACE) of the cost indicated. It would appear prudent that internal budget allowances account for the highest cost indicated by this range as well as other site specific allowances. The cost estimate has been prepared for guidance in project evaluation and implementation from the information available at the time of the estimate. The final costs of the project will depend on actual labor and material costs, competitive market conditions, implementation schedule, and other variable factors. As a result, the final project costs will vary from the estimates presented herein. Because of this, project feasibility and funding needs must be carefully reviewed prior to making specific financial decisions to help ensure proper project evaluation and adequate funding.

- Buildings are separated by size, including (a) <1000 sq. ft., (b) 1000-5000 sq. ft., and (c) >5000 sq. ft. (a) The following assumptions apply for buildings <1000 sq. ft.: Sealing is 0.5 days, testing is 0.75 days, installation is 1 day, electrician is 3 hours, 1 indoor air sample, and 1 subslab soil gas sample (b) The following assumptions apply for buildings 1000-5000 sq. ft.: Sealing is 1 day, testing is 1.5 days, installation is 2.25 days, electrician is 5 hours, 2 indoor air samples, and 2 subslab soil gas samples (c) The following assumptions apply for buildings >5000 sq. ft.: Sealing is 3 days, testing is 2 days, installation is 4 days, electrician is 3 hours, 4 indoor air samples, and 4 subslab soil gas samples

Outdoor air sampling will occur at 4 locations bordering the properties

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